

“Education Through Self Help Is Our Motto” – Karmaveer

Estd: 1983



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

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.

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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 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.

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

PRINCIPAL'S DESK

Prof. N.B.Devi
I/c Principal
Karmaveer Bhaurao Patil
Polytechnic, Satara



Respected Parents, Teachers and dear Students,
It gives me immense pleasure to speak about our Computer Engineering Department. The department is dedicated to providing quality education along with strong practical exposure to our students.

In today's competitive world, it is important that students are not only academically strong but also industry-ready. Our department continuously works towards this goal by organizing various activities such as guest lectures, industrial visits, workshops, and internships.

These initiatives help students gain real-world knowledge, improve their technical skills, and build confidence. Our faculty members are highly committed and always guide students towards academic excellence and professional growth.

We also focus on developing values such as discipline, ethics, and responsibility among our students, which are essential for their future careers.

I am proud of the achievements of our students and confident that they will continue to excel and bring pride to our institution.

Thanking you,

Mr. N.B.Devi
I/c 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 remarkable 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

Teachers day



Our college celebrated Teachers' Day with great enthusiasm on 4th September 2025 to honor and appreciate the hard work and dedication of our respected teachers. The program was organized by the students with the guidance of faculty members. The event began with a welcome speech and lighting of the lamp, followed by cultural performances such as songs, dances, and skits dedicated to teachers. Students expressed their gratitude through speeches and handmade cards. Various fun games were also arranged for the teachers, making the event lively and memorable.

DEPARTMENTAL ACTIVITIES

Guest Lecture On Skill Development



Our department organized a guest lecture on “Skill Development” on 10th December 2025. The session focused on the importance of developing essential skills required for academic, professional, and personal growth. The speaker highlighted key skills such as communication, problem-solving, teamwork, time management, and adaptability. Students were guided on how to identify their strengths, improve weaknesses, and build a skillset that matches industry needs. The lecture was interactive, motivating, and helped students understand the significance of continuous learning to succeed in their careers.

DEPARTMENTAL ACTIVITIES

Guest Lecture On Cyber security



Our department organized a guest lecture on Cyber Security on 15th September 2025. The session was conducted by experts from the Satara Cyber Cell. They guided students about online safety, cyber crimes, data protection, and safe use of social media. Students learned how to protect their personal information and stay secure in the digital world. The session was very informative and helped in creating awareness about cyber security.

DEPARTMENTAL ACTIVITIES

Guest lecture on Understanding entrepreneurship



On 18th September 2025, our department organized a guest lecture on 'Understanding Entrepreneurship'. The session focused on developing an entrepreneurial mindset, identifying business opportunities, and understanding how to start a startup. The speaker shared practical insights and real-life examples, which helped students understand the basics of entrepreneurship and motivated them to think beyond traditional job roles.

DEPARTMENTAL ACTIVITIES

Parent Teacher meet



On 20th September 2025, our department organized a Parent-Teacher Meet. The purpose of the meeting was to discuss students' academic performance, attendance, and overall development. Parents interacted with faculty members and got insights into their child's progress. It helped in building a strong connection between parents and teachers for the better growth of students

DEPARTMENTAL ACTIVITES

Guest Lecture On Artificial Intelligence



On 25th September 2025, our department organized a guest lecture on Artificial Intelligence (AI). The session focused on the basics of AI, its real-world applications, and future career opportunities. The speaker explained how AI is used in various fields like healthcare, finance, and automation. The lecture was informative and motivated students to learn new technologies.

DEPARTMENTAL ACTIVITIES

Guest Lecture On Yoga and Meditation



On 3rd October 2025, our department organized a guest lecture on Yoga and Meditation. The session focused on the importance of physical and mental well-being. Students learned various yoga techniques and meditation practices to reduce stress and improve concentration. The lecture also included practical demonstrations, making it a refreshing and beneficial experience for students.

DEPARTMENTAL ACTIVITES

Industry Visit



Satara, Maharashtra, India 🇮🇳

1d, Old Midc, Midc, Satara, Maharashtra 415004, India

On 10th October 2025, an industrial visit for TYCO students was organized at Acme Infotech Limited, Satara. During the visit, students got an opportunity to observe the working environment of the IT industry. They learned about various technologies, software development processes, and company operations. The visit provided practical exposure and helped students understand real-world applications of their academic knowledge.

MSBTE WINTER EXAM TOPPERS-2025

CLASS:TYCO

Name Of Student	Grade
Raj Dere	96.47
Arshiya Mujawar	94.82
Pratap Indalkar	94.00

CLASS:SYCO

Name Of Students	Grade
Vrinda Patel	97.06
Gayatri Ballal	94.59
Vaishnavi Shevte	94.47
Sanyukta Babar	94.47

Editorial Board

Mr.N.B.Devi

(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