



NEWS Letter

Phaltan Education Society's

College of Engineering

www.coephaltan.edu.in

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Foreword:

I have great pleasure in publishing this edition of newsletter of College of Engineering, Phaltan. Phaltan Education Society's College of Engineering Phaltan commenced with a dream of holding the hands of students of rural area around Phaltan and making excellent quality education available to them at their doorsteps. Within a short span, it has risen to the position of being a prestigious Engineering College and it is a great exciting experience to see that in a barren land of 15 acres where once stillness and silence ruled now it is alive with life and buzz of activities that are definitely aimed to a noble end and purpose.

The infrastructure of our college is made available as per the rules of AICTE. Our dedicated faculties, well-furnished laboratories and professional culture in the campus provide education of advanced cutting edge technologies to create competent human resources to tackle the complex problems of modern era and good citizens for the better future of the country.



Prof. Dr. N. G. Narve

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Prof. S. T. Kale & Prof. A. T. Bhosale - Editors

Tree Plantation Drive

On 05/06/2024, College of Engineering, Phaltan, successfully completed the event of Tree Plantation Drive at PES's College of Engineering Campus, Phaltan. Tree plantation is crucial for maintaining ecological balance, enhancing air quality, and providing a habitat for wildlife. It is necessary for all individuals to take part in such initiatives to contribute to the environment.

Total 10 students and 15 faculties attended this Activity, including students from SE, TE, and BE Computer as well as students from Mechanical, Civil, and E & TC departments. The Activity was organized by PES's College of Engineering Phaltan.



Staff planting trees at the college campus



- Students and faculties working together in the plantation drive

International Yoga Day

On 21/06/2024, PES's College of Engineering, Phaltan, successfully celebrated International Yoga Day on the college campus. The event aimed to highlight the significance of yoga in maintaining physical and mental health. The celebration saw enthusiastic participation from all faculty members of both diploma and degree courses, along with students.

The event began at 11 a.m. with a welcome address by Hon. Principal Dr. N.G. Narve Sir, who emphasized the importance of yoga in modern life. Following this, professional yoga instructors Guest And Yoga Teacher Dr. Madhavrao Pol sir guided the participants through various yoga asanas, including:

Surya Namaskar (Sun Salutation)

Tadasana (Mountain Pose)

Vrikshasana (Tree Pose)

Bhujangasana (Cobra Pose)

Dhanurasana (Bow Pose)

Shavasana (Corpse Pose)



Guest And Yoga Teacher Dr. Madhavrao Pol sir

Seed Ball Making Activity

On 03/07/2024, PES's College of Engineering, Phaltan, in collaboration with the Forest Department of Phaltan, successfully conducted a Seed Ball Making activity on the college campus. The activity aimed to promote the importance of afforestation and engage students in practical environmental conservation efforts.

The event began at 10 a.m. with a welcome address by Hon. Principal Dr. N.G. Narve Sir, who highlighted the significance of seed balls in reforestation efforts. Following this, experts from the Forest Department of Phaltan Shri.Rahul Nikam Sir, Forest Officer at Phaltan Office provided a detailed demonstration of the seed ball making process.



Group photo of participants with seed balls
Shri.Rahul Nikam Sir, Forest Officer at
Phaltan Office

Banana and Seed Ball Distribution in Pandharpur Wari

On 09/07/2024, PES's College of Engineering, Phaltan, successfully completed an ISR activity which included the distribution of bananas and seed balls to pilgrims participating in the Pandharpur Wari. This event was jointly organized by PES's College of Engineering Phaltan and the Forest Department Phaltan. The purpose of the event was to support the pilgrims with nutritional fruits and to promote environmental conservation through the distribution of seed balls.

A total of 25 students and 5 faculty members from various departments, including SE, TE, and BE Computer, as well as students from Mechanical, Civil, and E & TC departments, participated in this activity. The event started at 3 p.m. with enthusiastic support from the students and faculty.



ISR activity of Cleaning

On 11/07/2024, College of Engineering, Phaltan, successfully completed the event of ISR activity which includes Palakhital Cleaning at Vimantal, Phaltan. Cleanliness is our moral duty and a fundamental responsibility of an Indian citizen. It is necessary for all individuals to take part in their country's progress. Cleanliness is a regular practice that prevents the spread of disease causing organisms. Total 50 students and 35 faculties attended this visit which comprised of students from SE, TE and BE Computer also students from Mechanical, Civil and E & TC departments participate in this activity which part Of NSS Unit of Volunteers . The visit was organized by PES's College of Engineering Phaltan.

The visit started at 9a.m. sharp with good support of students. The students were happy and they fully participated in this activity.



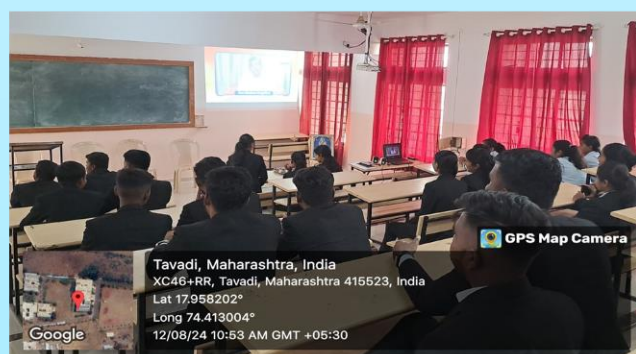
Palkhital Cleaning by Staff and Students

Har Ghar Tiranga Campaign

On 12/08/2024, PES's College of Engineering, Phaltan, successfully organized an online guidance session for the Har Ghar Tiranga campaign. The event, held from 10:00 AM to 11:00 AM in the Seminar Hall, was attended by 50 NSS volunteers and 5 faculty members.

Hon. Chandrakant Dada Patil, a minister in the Maharashtra government, delivered an online speech that provided detailed guidance on the rules and regulations of the Har Ghar Tiranga campaign, a national initiative encouraging citizens to hoist the Indian flag at their homes. The minister emphasized the importance of celebrating India's independence and instilling a sense of national pride among the youth.

Following the guidance session, an interactive discussion was held where students shared their ideas on how to promote the campaign within their communities. The students were enthusiastic and committed to participating in the campaign and contributing to its success.



The guidance session on the Har Ghar Tiranga campaign was an inspiring and impactful activity for both students and faculty. The students were highly engaged, demonstrating their commitment to promoting the campaign and celebrating India's independence. This event has reinforced the importance of national pride and community involvement among all participants.

Name of the FDP: “Innovation, Start-up, IPR and Funding

Name of the Resource Person: Prof. Suryakant Rajaram Dodmise, Chief Executive Officer – SIBIC Business Incubator.

SIBIC Business Incubator is first of its Kind - A Private Business Incubator in Western Maharashtra established in 11,000sq.ft. Area. Mentoring 25+ start-ups in 5 sectors.

Work Experience in the field of Entrepreneurship, Innovation & Incubation:

1. Chief Executive Officer – at SIBIC Business Incubator – July, 2021.
2. Incubator Manager – at NETRARIT-TBI - 2018-2021.

Worked for establishment of in-campus Incubation Centre at Rajarambapu Institute of Technology from start to 5Crore Fund raising by MSiNS.

Day-1 Learning outcomes

- **Funding:** India has become a significant destination for venture capital and private equity, attracting global investors due to its large market potential and high return prospects.
- **Unicorns:** The growing number of unicorns in India signifies a maturing ecosystem with increasing potential and market validation.
- **Start-up India:** This initiative simplifies compliance, offers tax benefits, and provides funding access, encouraging startup growth.
- **Atal Innovation Mission:** Supports entrepreneurship through incubators and funding programs, fostering a culture of innovation.

Indian startups are active across various sectors such as technology, healthcare, fintech, edtech, and agritech, driving innovation and addressing diverse market needs.



Day-2 Learning outcomes

Discover a niche that aligns with your passions and skills, ensuring long-term commitment and enthusiasm. Your niche will be based on what you enjoy and are proficient in, leading to greater sustainability and motivation.

Identify your key internal advantages and resources. Recognizing what sets you apart and leveraging your strengths will help build a competitive edge and drive success in your niche.



- **Purpose:** Demonstrates the feasibility of an idea or concept by validating its technical and practical aspects.
- **Role:** Serves as an initial step to confirm whether the core idea can work in practice before investing in development.

Name of the FDP: “Innovation, Start-up, IPR and Funding

How to raise funding for Start-up.



Day-3 Learning outcomes

Control: You maintain full ownership and decision-making power.

Flexibility: No external pressures or expectations from investors. **Reduced Financial Risk:** Avoids taking on debt or giving up equity.

General Crowdfunding: Kickstarter, Indiegogo.

Research-Specific Platforms: Experiment.com, Go FundMe.

Public Engagement: Builds a community and raises awareness around your research.

No Equity Required: Typically no need to give up equity.



Day-4 Learning outcomes

Understanding the various business structures helps in selecting the most appropriate one for your needs based on liability, tax implications, and management preferences.

Recognizing the trade-offs between simplicity and liability protection aids in making informed decisions about business formation.

Recognizing the value of licensing as a strategy for monetizing IP and generating revenue.

Understanding Business Components: Recognize how each element of the business model contributes to overall success. **Model Design:** Learn to design a business model that aligns with your value proposition, customer needs, and revenue goals. **Strategic Alignment:** Ensure that your business model supports your strategic objectives and operational capabilities.

Day-5 Learning outcomes

Types of Intellectual Property Rights

1. **Understanding IP Types:** Recognize the different types of intellectual property and their specific protections.
2. **Strategic Importance:** Appreciate the role of IP in fostering innovation, maintaining competitive advantage, and generating revenue.
3. **IP Management:** Learn effective strategies for managing, protecting, and monetizing intellectual property.
4. **Global Perspective:** Understand the international aspects of IP protection and compliance.

Nasha Mukht Bharat Abhiyan

On 12/08/2024, PES's College of Engineering, Phaltan, successfully organized an informative lecture as part of the **Nasha Mukht Bharat Abhiyan**. ("विकसित भारत मंत्र, भारत हो नशे से स्वतंत्र")

The event was aimed at raising awareness among students about the harmful effects of drug abuse and the importance of maintaining a drug-free society. This activity was organized by the NSS Unit of PES's College of Engineering, Phaltan, with enthusiastic participation from 50 NSS volunteers and faculty members.

The event began at 11:00 AM in the Seminar Hall with a brief introduction to the Nasha Mukht Bharat Abhiyan by the NSS Program Officer. Prof.Hipparkar A.A. (Comp)HOD, delivered an informative and engaging lecture on the impact of drug abuse on health, families, and society at large. The lecture also covered preventive strategies and the importance of spreading awareness among peers and within the community.



Anti-Ragging Awareness Mahotsav

On 12/08/2024, PES's College of Engineering, Phaltan, inaugurated the **Anti-Ragging Awareness Mahotsav** as part of the National Anti-Ragging Week. The event was designed to educate students about the dangers of ragging, the legal consequences, and the importance of maintaining a respectful and inclusive campus environment. The inauguration marked the beginning of a week-long series of activities dedicated to anti-ragging awareness.

The event began at 11:00 AM with a formal inauguration by Prof.Thombare G.V. (Mech) HOD and key faculty members. Five staff members, along with a 50 number of B.Tech engineering students, participated in the event.

The lecture covered the legal framework against ragging, the psychological impact on victims, and the disciplinary actions that would be taken against those found guilty of engaging in such activities.



Engineer's Day

Engineers' Day was organized in Phaltan Education Society's College of Engineering, on **15/09/2024** by the Electronics and Telecommunication Engineering department to tribute to **First and greatest Engineer of India**, Bharat Ratna, Sir Mokshagundam Visvesvarayya's, recognizing his contributions in harnessing water resources in India.

"Engineering is not merely knowing and being knowledgeable; engineering is not merely analysis; engineering is not merely the possession of the capacity to get elegant solutions to non-existent engineering problems; engineering is practicing the art of the organized forcing of technological change".

After Sarswati puja, Prof. D. S. Bhoite, HOD Civil Engg. department felicitated Mr. Kadam, Senior reporter Dainik Eaikya

Short video clip played on Sir M. Visvesvaraya's Life journey in the engineering field and his contribution in infrastructure building in India. From this video all audience got the message as, **"the man who change entire engineering field in India"**, and we are always thankful to such personality. Few students also shared their thoughts on the occasion of engineer's day. On Engineer's Day; students delivered a speech highlighting the vital role of engineers in shaping the world. They emphasized how engineers drive innovation, solve complex problems, and contribute to societal progress through fields like infrastructure technology, and environmental sustainability.

Few events organized on Engineers Day for students as : Total 35 students were participated in this event.

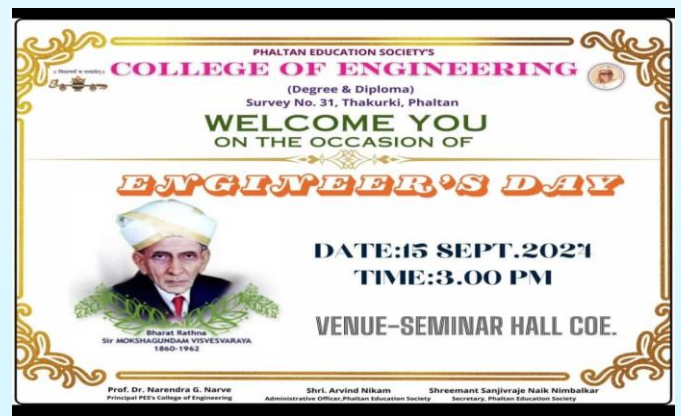
Rapid Fire: In rapid fire event 24 students were participated we made two group of 12 students per group. One student coordinator asked question to both the team and counted right answer as one and wrong answer as zero, those team scored highest points they qualified rapid fire round.

Arrange number:

In arrange the number 12 students were participated we show them numbers on screen & arrange students as per number given, the team arranged number quickly they qualified arrange number round.

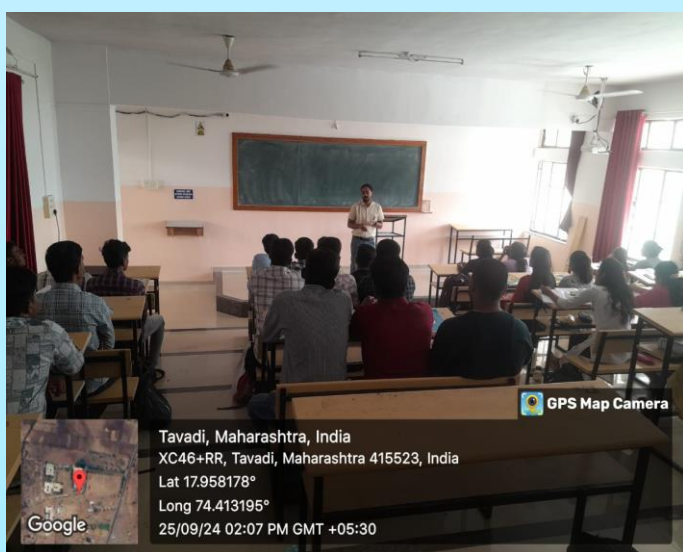
Make word from inaccurate meaning word

Last game was make word from non-technical meaning word, here 6 students were participated we gave them inaccurate meaning word e.g.: **oclelge**, this word is given and from this they made accurate word was college.



Expert Lecture “Guidance to Students on TCS NQT”

Computer Engineering Department has organised Expert lecture on “Guidance to Students on TCS NQT” on 25th September 2024. The main motive of this lecture to gain knowledge about TCS NQT. Total 70 students of computer department had attended this lecture. The Expert lecture was organized and accompanied by Prof. A. A. Hipparkar. This lecture was started at 11 am with good support and cooperation from Mr. Aniket Thorave ,were explaining the concepts of TCS NQT.



We are very thankful to Hon. Principal Prof. Dr. N.G. Narve and our department HOD. Prof. A. A. Hipparkar, for their continues motivation and support for facilitating such activities in our department.

“Five Day Workshop on Cloud Computing”

Computer Engineering Department has organised “Five Day Workshop on Cloud Computing” on 22nd May to 26th May 2024.

Resource Person: Mr. Mukesh More, Director at Caliber Solutions, Pune.

Program started with Inauguration and felicitation of the guests. **Prof. A. A. Hipparkar**, HOD, Computer Engineering Department gave overview of the workshop and **Prof. A. A. Hipparkar** gave introduction about respected guest **Mr. Mukesh More**. After that **Prof. Dr. N. G. Narve** Principal PES's COE, Phaltan. shared their thoughts about this workshop.



“Five Day Workshop on Artificial Intelligence and Machine

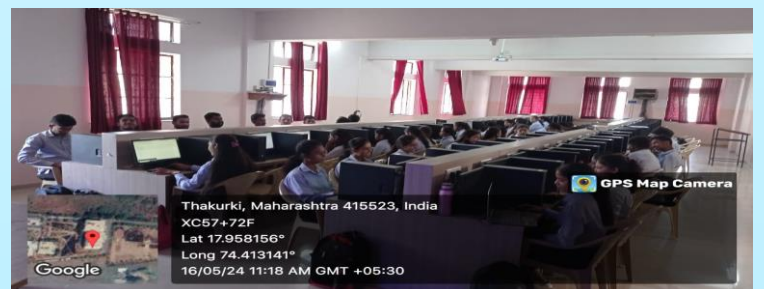
Computer Engineering Department has organised “Five Day Workshop on Cloud Computing” on 15th May to 19th May 2024.

Resource Person: Mr .Aniket Thorave Corporate Trainer at **Aitech Training and Solutions, Pune.**

The Machine Learning Tutorial covers both the fundamentals and more complex ideas of machine learning. Students and professionals in the workforce can benefit from our machine learning tutorial.

A rapidly developing field of technology, machine learning allows computers to automatically learn from previous data. For building mathematical models and making predictions based on historical data or information, machine learning employs a variety of algorithms. It is currently being used for a variety of tasks, including speech recognition, email filtering, auto-tagging on Facebook, a recommender system, and image recognition.

You will learn about the many different methods of machine learning, including reinforcement learning, supervised learning, and unsupervised learning, in this machine learning tutorial. Regression and classification models, clustering techniques, hidden Markov models, and various sequential models will all be covered.



Department of E&TC organized Expert Lecture on Control System Engineering (CSE) for TY B.Tech E&TC students.

The following topics are covered in expert lecture are

1. Introduction to control system & its design
2. Use of IOT in control system

Course content with time slot allotted to each topic

1. Introduction to Control system.
2. Proportional, Integral and Derivative Controllers
3. Application of Proportional, Integral and Derivative Controllers

Content beyond the syllabus

- Use of IoT in control system

At the beginning of lecture, Prof. A. A. Ranaware, HOD E&TC Department introduced Mr. Padmakar Sawane.

The following figure shows the simple block diagram of a control system here, the control system is represented by a single block. Since, the output is controlled by varying input; the control system got this name.

Examples – Traffic lights control system, washing machine etc

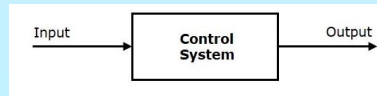


Fig1.: Block diagram of control system

Types of control system:

Open loop control system: Open loop system works without feedback.

Ex: Toaster

Close loop control system: A closed-loop control system is one that uses feedback to monitor and adjust its actions.

Ex: Thermostat

Proportional, Integral and Derivative Controllers

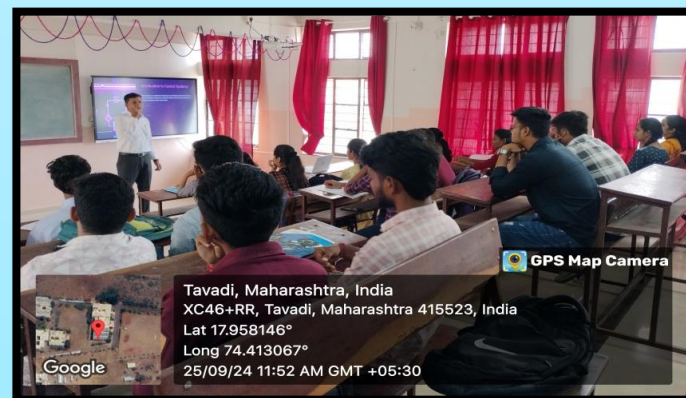
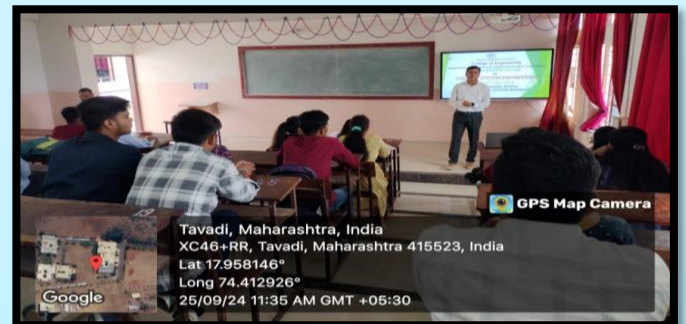
Proportional, Integral, and Derivative (PID) controllers are feedback control mechanisms used in industrial control systems to maintain a desired output.

Proportional (P): This part adjusts the output proportionally to the error (the difference between the desired set point and the actual process variable). It provides a control action that is directly related to the size of the error.

Integral (I): This component accounts for the accumulation of past errors. It integrates the error over time, helping eliminate steady-state error by adjusting the output based on the total accumulated error.



Prof.A.A.Ranaware, HOD E&TC Department introduced Mr. Padmakar Sawane

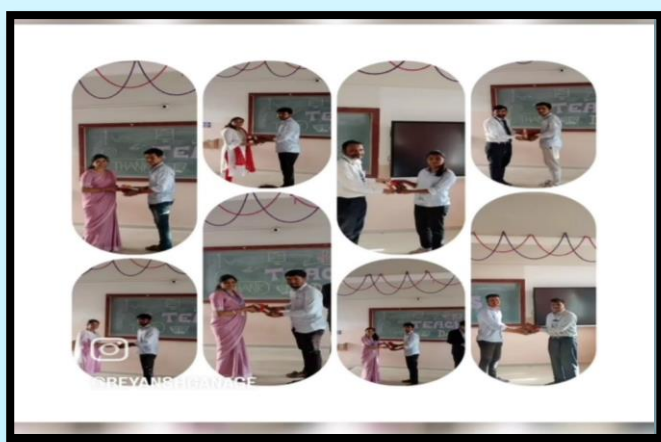


Mr. Padmakar Sawane explaining Controller

Teacher Day

In India, 5th September is celebrated as **Teachers' Day** as a mark of tribute to the contribution made by teachers to the society.

5th September is the birthday of a great teacher Dr. Sarvapalli Radhakrishnan, a staunch believer of education and a well-known diplomat, visionary, statesman, scholar, President of India and above all a perfect Teacher. In 1962, when Dr. Radhakrishnan became the President of India, he was approached with a request of celebrating his birthday. He said, "Instead of celebrating my birthday, it would be my proud privilege if this day is observed as Teachers' Day". This showed his love for the teaching profession. From then onwards, this day is celebrated as Teachers' Day in India. Students decorated department with the decorative items on the occasion of Teacher's Day and the faculties were welcomed warmly. Felicitation of the faculties done by students by giving a gift as a token of gratitude to show the acknowledgement and recognition of the hard work put by the teachers towards their development, wishing them a Happy Teachers Day. Teachers Day @department was celebrated with a lot of anticipation.



The event was concluded by vote by thanks by student coordinator Varad Inamdar. Finally, we all took snacks and make the day more memorable and successful.

Institute Vision

Phaltan Education Society's College of Engineering aspires to be recognized as the college of first choice for excellence in technical education.

Institute Mission

- ☐ To prepare specially rural students for a productive and rewarding career in engineering profession.
- ☐ To impart value added technical and soft skills for attaining excellence in Career
- ☐ To develop responsible citizens with ethical values..