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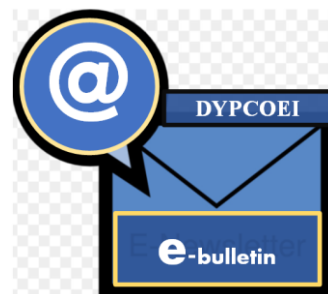
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January - 2024

Dr. D. Y. Patil College of Engineering and Innovation, Varale, Talegaon, Pune

DYPCOEI

e-bulletin

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Ms. Sejal Jadhav, Comp Engg.

Mr. Vedant Sase, AI-DS

Ms. Geetanjali Bejjalwar, FE Engg.

Vision

To achieve excellence in quality education through value based rapidly changing technologies and create technical Human-Resource with proficiencies of accepting new challenges.

Mission

**M1** *Continuously strive to impart value-based education to elevate the satisfaction level of all stakeholders.*

M2 *Take dedicated efforts to create competent professionals by effective teaching learning process with passion of lifelong learning attitude.*

M3 *Our endeavor is to promote and support innovative research, entrepreneurship and development activities through Industry Interaction.*

CSR Activity

⁺Blood Donation Camp

Blood donation camps plays a vital role in promoting community engagement, fostering a sense of social responsibility, and saving lives by ensuring a readily available and safe blood supply.
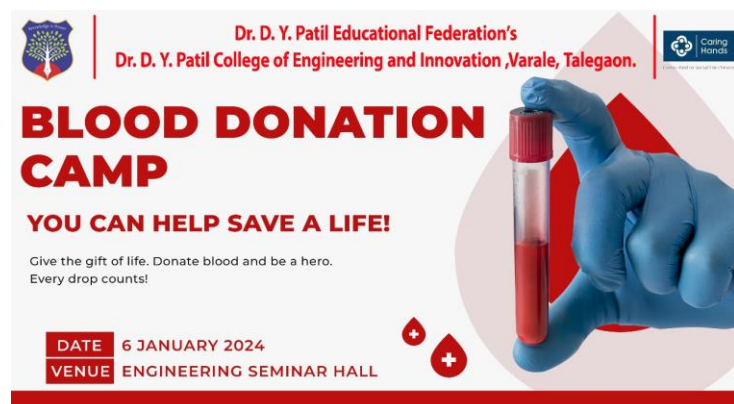
A blood donation camp is an organized event where individuals voluntarily donate blood. The primary purpose of these camps is to collect a sufficient quantity of blood to meet the demands of hospitals and medical facilities. This time 31 students have donated their blood as a Corporate Social Responsibility.

Objective:

The main goal was to collect a substantial amount of blood to ensure an adequate and safe blood supply for medical treatments and emergencies.

The collected blood was then processed, tested for various infections, and stored appropriately. It becomes a crucial resource for medical treatments, surgeries, and emergency situations.

Organizers:

Blood donation camps are often organized by non-profit organizations, blood banks, healthcare institutions, or government agencies. The donated blood was then given to **Dr. B. S. alias Bhausaheb Sardesai established Talegaon General Hospital.**

DYPCOEI Students Donating the Blood

Blood Donation Certificate to DYPCOEI

Faculty Development

FROM IDEAS TO ASSETS IN NEP-2020 - FDP

One Week FDP (Offline) On "FROM IDEAS TO ASSETS IN NEP-2020" was organized by Department of Computer Engineering from **16th January to 20th January 2024.**

Dr Madhuri Joshi, Retired Professor, COEP,Pune took **Inaugural Session on Research Paper Writing**
Dr. Suresh Mali, Principal, DYPCOEI, Varale, Talegaon Pune discussed the **Key Insights of NEP -2020 and Increasing Self-Awareness and Team Awareness (The Johari Window Model).**
Dr. Deepika Sale, Associate Professor, DYPCOEI, Varale, Talegaon, Pune elaborated **RESEARCH INDEXING**
Dr. Pramod Deshmukh, Solution Architect SYGNIUS Infotech, Pune gave a talk on **Recent Research Trends In Engineering**
Dr Deepti Patil, Professor And Dean Studetns Welfare, MKSSS's Cummins College of Engineering for Women, Pune demonstrate the **Copyright, Intellectual Property Rights,Patents and Innovations**
Dr. Pradeep Mane, Principal, AISSMS IOT, Pune presented the **National Education Policy -2020 in Higher Technical Education**
Dr. Nilesh Uke, Chairman BOS Computer Engineering SPPU Pune & Principal Trinity Academy Of Engineering ,Pune, gave **hands on training to faculty on Research Tools and Methodologies**

Dr. Pradeep Mane and Dr. Nilesh Uke are sharing their experiences and hands-on Training

This FDP comprised of topics like Inculcating Research Culture, NEP in Higher Education, Do's and don'ts of writing an effective research proposal? Identifying Intellectual Property components at the early stage of research, Critical parameters in evaluation of research proposals. Speakers from various pioneering institutions such as COEP Pune AISSMS IOT Pune,Trinity Academy Of Engineering Pune etc.were invited to deliver lectures.

Participants during hands-on Training of FDP

Outcome: Participants understood about effective paper writing, team awareness using Johari window Model, learnt basic techniques required for Copyrights, IPRS, patents, Innovations and understood about details of NEP-2020.

Faculty Development

CYBER PHYSICAL SYSTEMS AND APPLICATIONS

Department of **Artificial Intelligence and Data Science** organized a one-week Faculty Development Program on **"Designing Cyber-Physical Systems & IoT Application Development"** from **9th to 13th January 2024.**

This FDP focus on the ever-evolving landscape of technological advancements, integrating Cyber Physical Systems (CPS) has become a cornerstone in shaping the future of industries. Cyber-physical systems represent a sophisticated integration of computational algorithms and physical processes, intertwining the virtual and tangible realms to optimize and automate industrial operations. Exploring the architectural underpinnings, communication protocols, security considerations, and the crucial element of User Experience (UX) design. Communication protocols, a linchpin in this interconnected ecosystem, will be scrutinized for their role in ensuring efficient data exchange and interoperability. This includes a comprehensive examination of software and hardware design, system mathematical models, real-time multitasking capabilities, sensor interfacing, and programming.

On-line Activities, hands-on Training given by Dr. Y. S. Rao during this Faculty Development Program.

Student Innovation

DIGITAL POSTER MAKING COMPETITION

The Digital Poster Making Competition, organized on the occasion of Independence Day, brought together creative minds from Dr. D. Y. Patil College of Engineering and Innovation to express their artistic vision on the theme: **"Viksit Bharat @2047"**

Participants Demonstrating and Explaining the theme about "Viksit Bharat @2047"
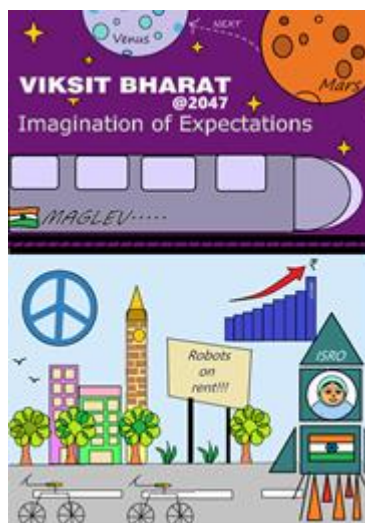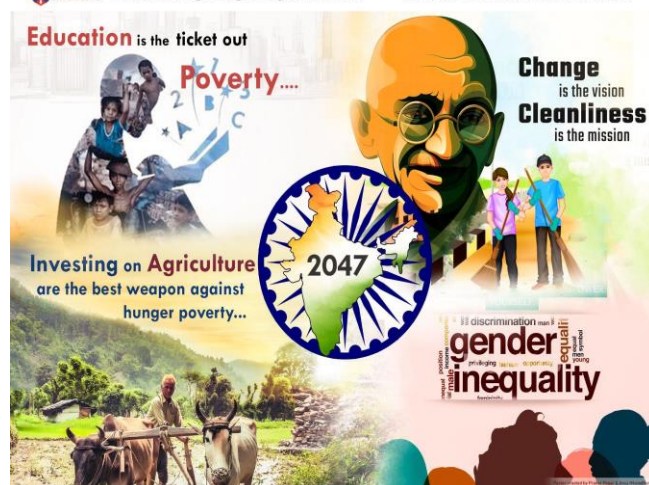
Some of the Designed Posters

Sixteen Students Designed Posters as per the given theme - "Viksit Bharat @2047"

Students Explaining the idea of the Designed Posters on 26th January 2024

The Digital Poster Making Competition at Dr. D. Y. Patil College of Engineering and Innovation was a resounding success, providing a platform for students to express their perspectives on the future of India.

Following students were participated in Digital Poster Making Competition:

Sr. No.	NAME	CLASS
1.	Isha Bonde	SE
2.	Vinay Hulsurkar	SE
3.	Vedant Lanjekar	FE
4.	Aditya Chaubey	TE
5.	Ranvita Mathap	TE
6.	Manoday Ahire	TE
7.	Sumit Mahamuni	FE
8.	Daware Prem Vinod	FE
9.	Pranay shinde	SE
10.	Vikas singh	TE
11.	Tanpure Suresh	FE
12.	Pranat Pagar	SE
13.	Gauri Haralkar	SE
14.	Anil Khichar	FE
15.	Sakshi Adhav	SE
16.	Anuj Mhaisdhune	FE

Runner-up Poster by Vedant Lanjekar, First Year, Computer Engineering

Runner-up Vedant Lanjekar, First Year, Computer Engineering

The event not only celebrated Independence Day but also fostered creativity and a sense of national pride among the participants.

Student Innovation

DIGITAL POSTER MAKING COMPETITION

Winning Poster by Manoday Ahire, Third Year, Computer Engineering

Student Activity

VOTERS DAY

A "Voters Day" program was organized to raise awareness about the importance of voting, encourage voter registration, and celebrate democracy. The event conducted on 25th January 2024 was aiming to educate people on their civic responsibilities and highlight the significance of participating in the democratic process.

Rally and March conducted on 25th January 2024 for Voters Awareness within and outside the Campus

Student Activity

WORLD HYPNOTISM DAY

Expert Session on "Improving Learnability with the help of Hypnotherapy" organized by Department of Computer Engineering on World Hypnotism Day on **4ᵗʰ January 2024. Mr. Nawnath Gaikwad,** Hypnotist, Clinical Hypnotherapist and Mind Coach and **Mr. Atul Joshi,** Hypnotist, Clinical Hypnotherapist and Mind Coach were the speakers.

Lamp Lightening by Mr. Atul Joshi, GD Member of DYPCOEI, Hypnotist, Clinical Hypnotherapist and Mind Coach.

There are four stages of hypnosis: **induction, deepener, suggestions and emergence**.

Induction:

During this stage, you begin to relax, focus your attention and ignore distractions. Your hypnotherapist will guide you through this stage with specific techniques such as controlled breathing (breathing in over a count of seven, then breathing out over a count of 11), or progressive muscle relaxation (tensing muscles as you breathe in and relaxing muscles as you breathe out, then repeating in a certain order of muscle groups throughout your body) or focusing on a visual image.

Deepener:

This stage continues the first stage, taking your relaxation and focus to a deeper level. This step often involves counting down or using similar descending imagery such as walking down stairs or slowly sinking deeper and deeper into a comfortable bed. These first two stages are aimed at easing your openness to suggestions.

Suggestions:

This is the stage for actual change in experience, behavior or perception. Your hypnotherapist will use imagery and carefully chosen language. The suggestions are usually symptom focused (to resolve a symptom) or exploratory (to explore experiences associated with the start of symptoms). Suggested changes may be in perception, sensation, emotion, memory, thought or behavior.

Emergence:

During this stage, you come out of hypnosis. Your hypnotist may use reverse deepeners, such as giving you the suggestions that you're climbing up stairs or counting up.

Student Activity

WORLD HYPNOTISM DAY

Prof. (Dr.) Suresh Mali, Principal felicitating the speaker Mr. Atul Joshi,

How Hypnotherapy Works:

The majority of the enormous promise found in the mind of humans is still unrealized. Like an iceberg, 90% of the contents of the mind are hidden. The conscious mind, which makes up 10% of the visible brain, aids in reasoning, short-term memory, and environmental perception.

The subconscious mind makes up the remaining 90% and is in charge of things like emotions, taught behavior, long-term memory, and learning. Recollections and related feelings are stored in the subconscious mind. This facilitates the mind's process of "learning" how to feel and act in specific circumstances. It even affects the conscious thought process. Our current thoughts disorganization brought on by inadequate learning or traumatic events can lead to unwanted conduct

or worse mental functioning. Here's where hypnotherapy can be useful. It facilitates a more effective restructuring of subconscious minds, which gets rid of bad learning habits, conflicts, and old traumas. It extracts undesirable feelings and behaviors from memory and substitutes them with positive feelings and actions.

Mr. Nawnath Gaikwad, Hypnotist demonstrated Hypnotherapy on stage

Mr. Atul Joshi Hypnotist Mind relax technics taught to spectators.

Student Activity
SWAMI VIVEKANAND JAYANTI

To spread awareness about the ideals of Swami Vivekananda and Raj Mata Jijau, Department of Computer Engineering celebrated Swami Vivekananda Jayanti on 12th January 2024.

Vivekananda was a key figure in the Indian Renaissance. He was a Hindu monk, philosopher, and orator who played a significant role in introducing Indian thought to the West. He was born on January 12, 1863, in Kolkata, India. His birth anniversary is **celebrated as National Youth Day in India.**

Dr. Alpana Adsul, Head, Department of Computer Engineering lighting the lamp

The Dignitaries perform pooja and light the lamp in front of photos of Swami Vivekananda and Rajmata Jijau Jayanti. The college faculties expressed their thoughts on this occasion. Share some life stories of these great personalities to influence the youth

Student Activity
NATIONAL GIRL CHILD DAY

Under the **Internal Quality Assurance Cell**, First Year Engineering department organized **"The National Girls Child Day"** Program for First Year Engineering girl students on **24th January 2024** at 11 am in Seminar Hall. Around 63 students participated in this event.

Ms. Siddhi Tanpure, First Year Engineering student speech on girls health

Ms. Vaishnavi Patil, First Year Engineering student speech on girls health

The Program was organized FE Girl Students under the guidance of Mrs. Dipannita Mondal, Head, Department of FE & IQAC Coordinator

Girls students with First Year Engineering faculty & Head, Mrs. Dipannita Mondal

National Girl Child Day was celebrated with great enthusiasm and dedication. The event aimed to highlight the significance of girls' rights, education, health, and overall well-being.

The main objective of this event was Empowerment through Education, Health and Nutrition, Promote Legal Rights. Special emphasis was placed on education for girls during the celebration.

First Year Engineering girls' students were decided to take initiatives to promote school enrolment, reduce dropout rates, and encourage skill development. The event succeeded in raising awareness, fostering dialogue, and inspiring concrete actions towards the betterment of girls.

Student Activity
RAM LALLA PRAN PRATISHTHA

Pran Pratishta ceremony of Ram Lalla idol at Ayodhya Ram Temple. "The Ram Lalla Pran Pratishtha at Ayodhya was celebrated on January 22, 2024 at our institute with Ranggoli Exhibition.
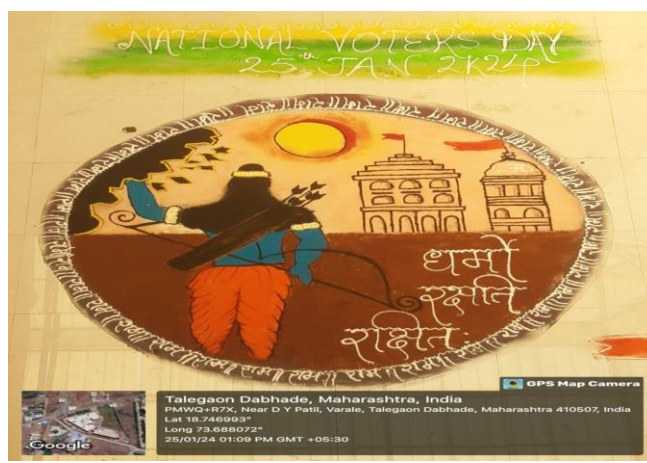

Rangoli made by
Shivani Tarawade TE COMP
Riya Dhomaneh TE COMP
Gayatri Deogavkar SE COMP
Sejal Nagarashi TE AIDS
Neha Medhar TE AIDS

Faculty Achievements

PUBLICATIONS

Prof. (Dr.) Alpana Adsul, Head, Department of Computer Engineering and **Mr. Arivanantham Thangavelu** published **A Text Book on** "**Machine Learning and Its Applications**" by RK Publications, ISBN- 978-81-969396-5-6.

Machine Learning and Its Applications book gives details about Variability, Information and Prediction techniques for the same. Application of Kernel Regression, Computational Comparison and various case studies which helps to perform research in Machine Learning.
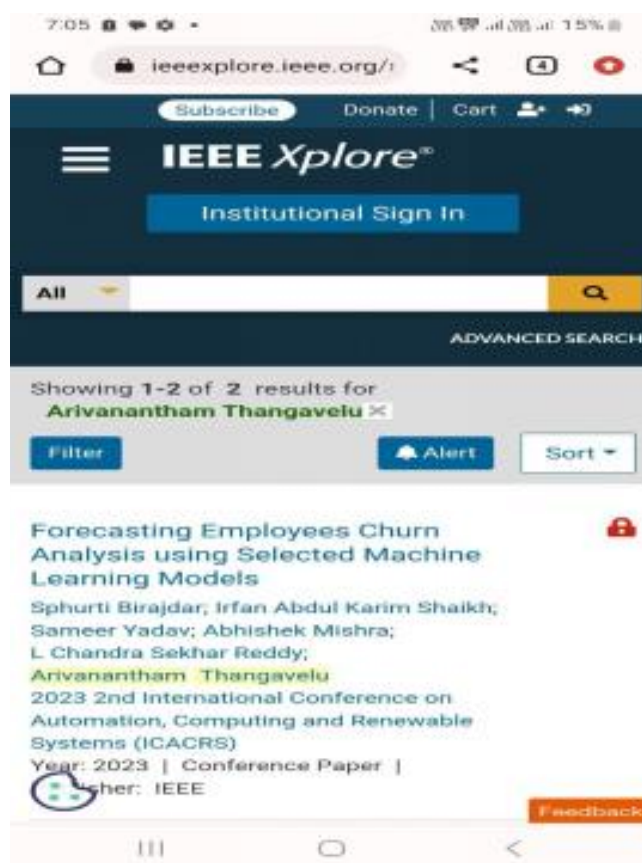

Book is available at
https://www.flipkart.com/product/p/itme?pid=9788196939656
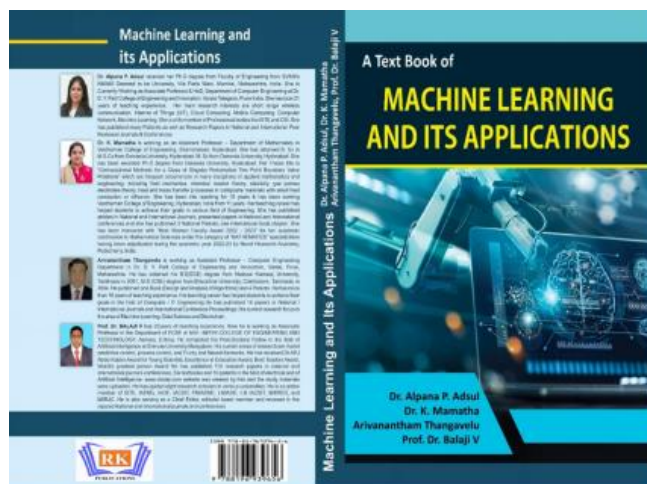
Faculty Achievements

PUBLICATIONS

Mr. Arivanantham Thangavelu published a paper on "Forecasting Employees Churn Analysis using Selected Machine Learning Models" in IEEE Xplore.

This paper has information about the context of a business setting, the process of analysing and measuring the rate at which workers leave a company, as well as determining which people are most likely to depart, is referred to as employee churn analytics.

Paper is available at

https://ieeexplore.ieee.org/document/10404481

IPR Activity

FILING A COPY RIGHT

Mr. Suraj Bhoite, Assistant Professor, Department of Artificial Intelligence **Registered** a copyright on Machine learning algorithm on

"Automated Text Document Classification Using Predictive Network" at 25th January 2024.


Literary work of copyright, the automatic text classification methods are supposed to retrieve the RI as well as organize it according to it is the degree of relevancy with the given query.

The main problem in organizing is to classify which document is relevant & which is relevant. The Automated text classification consists of automatically organizing clustered data. This approach proposes an automatic method of text classification using a Machine, Automatic text classification using TFIDF, Word sense word embedding algorithm, and K-means clustering classification machine learning algorithm, firstly apply the pre-processing method and remove not needed data then evaluate TF-IDF and Semantic relations of every word and classify

data using machine learning algorithm on student conference papers dataset.

They use the word net word embedding algorithm to eliminate the ambiguity of words so that each word is replaced by its meaning in context. The closest ancestors of the senses of all the undamaged words in a given document are selected as classes for the specified document.

Classifying documents in TF-IDF involves transforming text into numerical features using TF-IDF vectorization. Then, one can apply a classification algorithm.
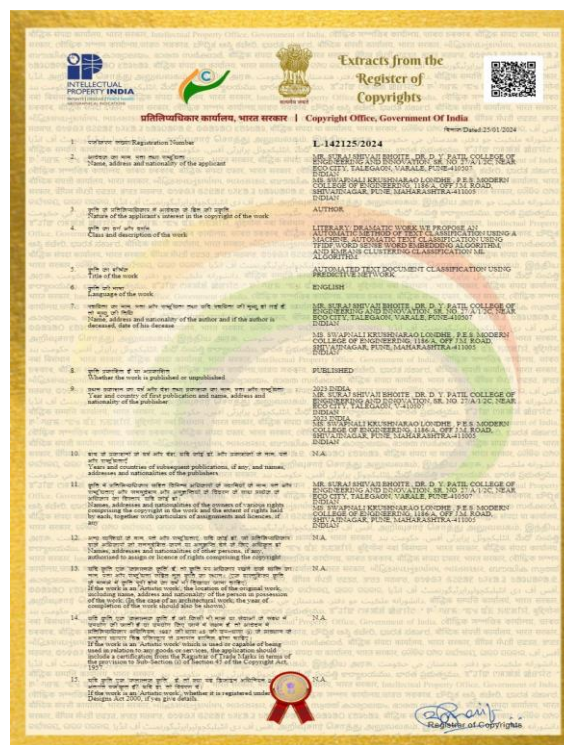
Quotes of the Month

"Success is not the key to happiness. Happiness is the key to success. If you love what you are doing, you will be successful"

— Albert Schweitzer