

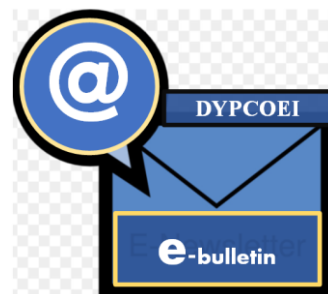


e-bulletin

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Vision

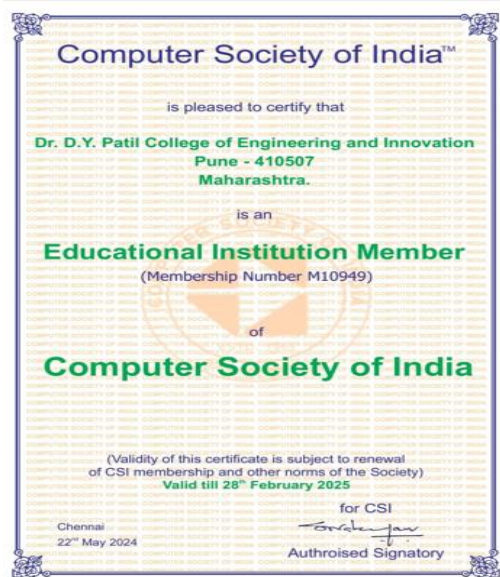
To achieve excellence in quality education through value based rapidly changing technologies and create technical Human-Resource with proficiencies of accepting new challenges.

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.*

Institute Tie-Up

CSI MEMBERSHIP

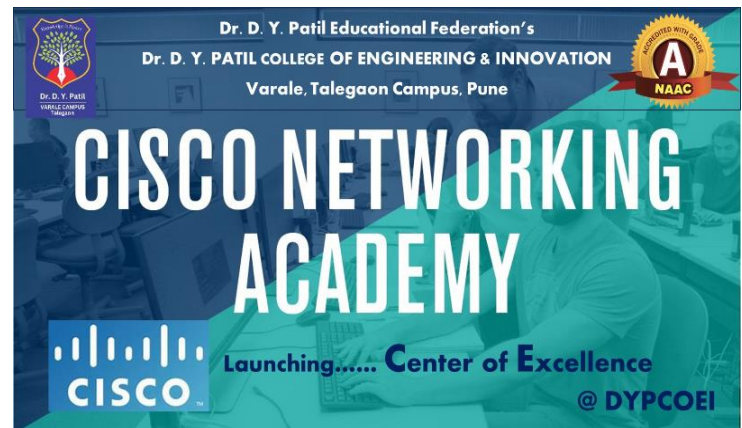


Computer Society of India is open to all professionals, organizations and institutions involved in the fields of information and communications technologies. DYPCOEI received Computer Society of India Educational Institution Membership Number: M10949.

Institution Membership Benefits:

- Recognition by Accreditation bodies for association with a professional organization.
- 4 copies of CSI Communications every month.
- Access to CSI knowledge portal and distinguished speaker list and eligibility for volunteering to be a speaker.
- Eligibility to apply for assistance to attend International conferences.
- Eligibility to publish articles in CSI communications and Transactions for nominees.

CISCO NETWORKING ACADEMY



CISCO aim to transform the lives of learners, educators, and communities through the power of technology, education, and career opportunities to power an inclusive future for all. Dr. D. Y. Patil College of Engineering and Innovation, Varale made a Tie Up with CISCO and launching Center of Excellence in campus for student's benefits initiated by Prof. (Dr.) Suresh Mali and Mr. Rahul Misra, TPO DYPCOEI.



Mr. Dinesh Kumar Panigrahi, Lead CISCO Networking Academy Program, Bangalore, Prof. (Dr.) Suresh Mali, Principal and Mr. Rahul Misra, TPO DYPCOEI visit to CISCO India headquarters at Bangalore.

Faculty Achievements

PATENT PUBLICATION



Mrs. Dipannita Mondal, IQAC Coordinator and Head, Department of Artificial Intelligence and Data Science,

published her **fourth patent** entitled “**Smart Fridge with Artificial Intelligence Driven Breakfast, Lunch and Dinner Preferences**”.

Motivation: The Artificial intelligence based shrewd cooler integrates progressed elements to reform the client experience and advance proficiency. Users can monitor and control the refrigerator in real time from anywhere with internet connectivity and an IoT server integration with an Android app. Key elements incorporate a smell sensor that identifies lapsed items, guaranteeing newness, mindfulness, and convenient removal. Fruits and vegetables that are stored are recognized by a built-in camera, allowing the app to provide recipe suggestions based on the ingredients that are available. This element limits food squander as well as gives helpful dinner thoughts. Besides, a weight balance framework shows the amount of put away organic products, supporting clients in settling on informed shopping for food choices. The shrewd fridge's natural plan and wise highlights make it easy to use, upgrading food stockpiling the executives and utilization proficiency in current kitchens.

<https://search.ipindia.gov.in/IPOJournal/Journal/Patent>

PHD THESIS SUBMITTED

Mrs. Dipannita Mondal submitted PhD Thesis in the field of Brain Communication and Brain Mapping. Title of the Thesis: “**Design of Hybrid Digital Filter for Analysis of EEG Signals from Coma Patients**”.

We are thrilled to announce that Mrs. Dipannita Mondal a dedicated international doctoral candidate has successfully submitted her PhD thesis at Lincoln University College, Kuala Lumpur Malaysia which is having QS World Ranking of 199 and Asian Ranking of 48 in Quality Education. Her significant achievement marks the culmination of years of rigorous research and academic dedication in the field of brain-to-brain communication and mapping.

Motivation: Designing a hybrid digital filter for EEG signals from coma patients aims to enhance diagnostic accuracy and monitoring by effectively reducing noise and isolating critical features. By combining different filtering techniques, it provides real-time, customizable, and precise analysis tailored to individual patients.

This approach improves the signal-to-noise ratio, aids in better neurological assessments, and informs treatment decisions, ultimately leading to improved patient outcomes. Furthermore, it drives technological innovation in digital signal processing and advances medical research, offering new insights into brain function and neurological conditions.

PATENT PUBLISHED

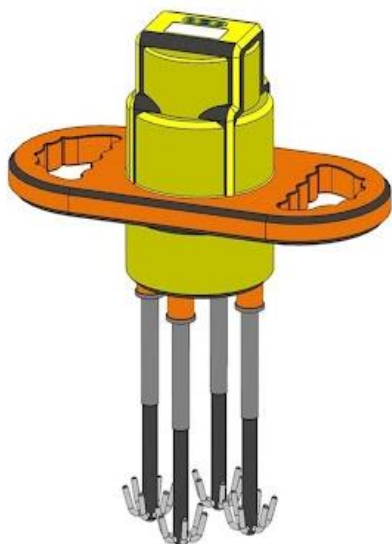


Mr. Yogesh Nagvekar, Head,
Department of First Year
Engineering published patent on
“Portable Concrete Mixer”
Application No: 419352-001.

along with DYPCOEI Civil Engineering students
**Mr. Rutik Arun Wagh, Mr. Ketan Balahiram
Woyal, Mr. Vishwajeet Vijaykumar Balure** and
Mr. Yogesh Tanaji Ombase.

		Controller General of Patents, Designs and Trademarks Department of Industrial Policy and Promotion Ministry of Commerce and Industry
Design Application Details		
Application Number:	419352-001	
Cbr Number:	209895	
Cbr Date:	07/06/2024 19:26:31	
Applicant Name:	1. Yogesh Deepak Nagvekar 2. Rutik Arun Wagh 3. Ketan Balahiram Woyal 4. Vishwajeet Vijaykumar Balure 5. Yogesh Tanaji Ombase 6. Dr. D. Y. Patil College of Engineering and Innovation	

Portable Concrete Mixer Perspective View:



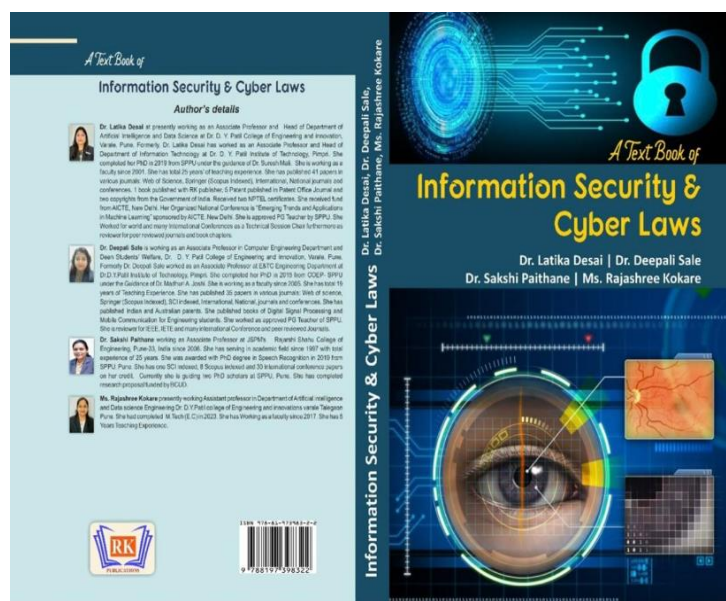
PERSPECTIVE VIEW

The novelty resides in the shape and configuration of the “PORTABLE CONCRETE MIXER” as illustrated.

BOOK PUBLICATION



Prof. (Dr.) Latika Desai, Prof. (Dr.) Deepali Sale,
and Mrs. Rajashri Kokare from DYPCOEI faculties
published A Text Book of “Information Security &
Cyber Laws” by RK Publication book ISBN – 978-
81-973983-2-2.



<https://sales.rlkenterprises.com/product/information-security-cyber-laws/>

Information security is a broad field that encompasses a wide range of technologies, practices, and policies to protect sensitive information from unauthorized access, use, disclosure, disruption, modification, or destruction. **Cyber security** is also known as internet laws or digital laws, are laws that govern the use of the internet and other digital technologies.

PAPER REVIEWER



Mr. Laxmikant Malphedwar, Assistant Professor have contributed as **Paper Reviewer** in the **SCOPUS indexed 4th**

International Conference on Advances in Engineering, Technology & Business Management (ICAETBM – 2024) organized by **NMIET, Pune.**

CONFERENCE PAPER PRESENTED



Mr. Vishal Borate, Assistant Professor has presented paper entitled **“Comparison of Machine Learning Models for**

Identifying Malicious URLs” in **IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems (ICITEICS 2024)** during **28th to 29th June 2024.**



NPTEL CERTIFICATE OF APPRECIATION



Mr. Laxmikant Malphedwar received appreciation certificate for his instrumental role as SPOC for the Swayam-NPTEL local chapter.

FACULTY DEVELOPMENT PROGRAM



Mr. Yogesh Nagvekar, Head, Department of First Year Engineering has successfully completed one month FDP on **“Business Analytics”** organized by **SkillDzire** in collaboration with **AICTE.**

COPYRIGHTS



Mr. Suraj Bhoite, Assistant Professor and **Vinay Pachore & Avdhut Jadhav** Third Year students from Department of Artificial Intelligence and Data

Science filled a copyright on **“Enchaining Emergency Response for Travelers with Legal Consistency using Machine Learning”** and they received copyrights from Intellectual Property India.

Universal Human Values

MORALS

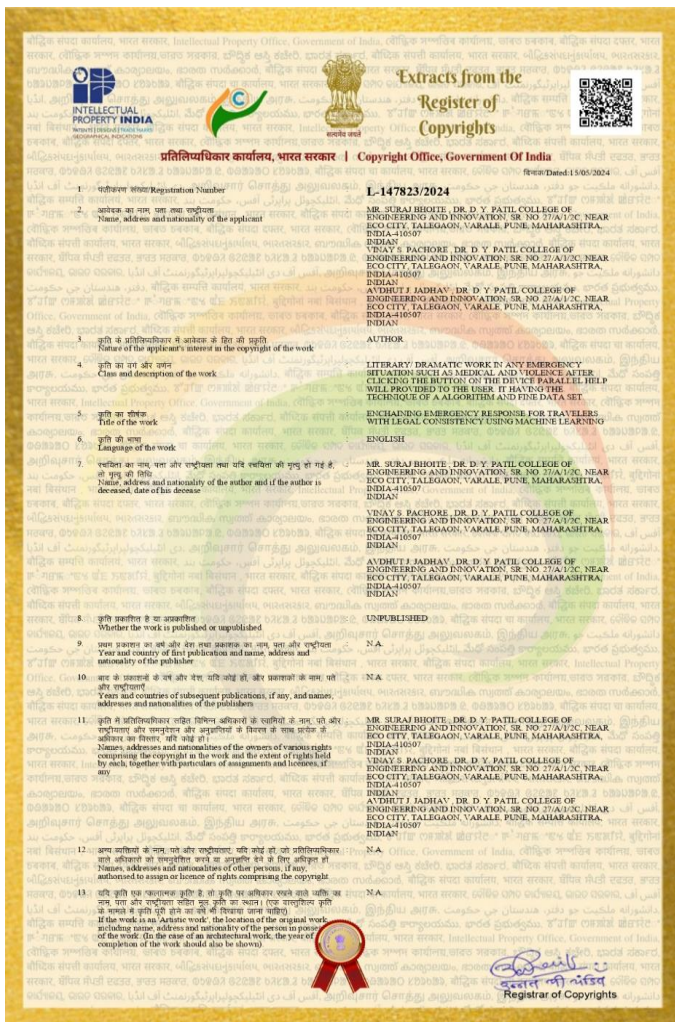
Department of Computer Engineering organized guest lecture on “Universal Human Values (UHV)” on 13th June 2024. The chief guest for this session by Dr. Raju Panchal, Professor, Department of Mechanical Engineering, JSPMs RSCOE, Pune.



Prof. (Dr.) Suresh Mali, Principal DYP COEI felicitating **Dr. Raju Panchal**, Professor, JSPMs RSCOE, Pune on 13th June 2024.

Mrs. Pratiksha Patil, Assistant Professor hosted session. Universal Human Values session is integrating value education in the present education system and moving towards holistic value-based education as a worthy mission for the wellbeing of all. In this spirit, no royalty or fee is charged on this work.

Dr. Raju Panchal discussed with identification of basic human aspirations as happiness and prosperity in continuity, the discussion is focused on the appropriate programme to fulfill these enabling to live a fulfilling life. Understanding harmony at various levels starting from the human



beings and spanning up to the whole existence forms the core contents of value education.



Guest Lecture on “Universal Human Value” by Dr. Raju Panchal, Professor, JSPMs RSCOE, Pune on 13th June 2024.

Benefits: The prime focus is towards affecting a qualitative change in the consciousness of the reader, a change in the worldview rather than on mere information transfer.

The whole session is presented in the form of proposals and the faculties are encouraged to self-explore and verify these on the basis of their natural acceptance and experiential validation.

He presents a universal approach to value education by developing the right understanding of reality. The methodology of this session is exploration and thus universally adaptable. It involves a systematic and rational study of the human being.

Finally, the important implications of ‘right understanding’ in life and profession are adequately elaborated.

The session was concluded by vote of thanks by Mrs. Pratiksha Patil.

International Yoga Day

YOGASANAS & MEDITATION

Every year on June 21st, people worldwide celebrate International Yoga Day to promote the numerous benefits of practicing yoga. DYPCOEI celebrated International Yoga Day on 21st June 2024. Mr. Senthil Arumugam, Faculty, The Art of Living invited as a chief guest.



Ms. Rutuja Ingale, Ms. Sharvari Patil, Ms. Mayuri Hirade and Ms. Sneha Navgire students from Computer Engineering department drew rangoli.

Mr. Senthil Arumugam associated with AOL since 2013. Practicing Yogasanas, Pranayama, Meditation since then (11 years).



Prof. (Dr.) Suresh Mali, Principal DYPCOEI felicitating Mr. Senthil Arumugam, Faculty, The Art of Living on International Yoga Day.

Mr. Senthil Arumugam Organized & Conducted several Meditation & Breath workshops, Yoga sessions reaching to 1000s of people across India (Online & Offline mode). Catering to General Public, Corporate staff, College students & faculties, Underprivileged sections of society etc. He explained the importance of Yoga in the life of youngsters. He explained that regular practice of Yoga will help the students achieve better mental and physical health.



Asanas were performed by the students and the faculties on 21st June 2024.

He started Yoga demonstrations with the Yoga prayer. After which a few warm up and simple Asanas were performed by the students and the faculties.



DYPCOEI Students and Faculties along with Mr. Senthil Arumugam.

World Environment Day

TREE PLANTATION

This year (2024), the theme of the World Environment Day says, "Land Restoration, Desertification, and Drought Resilience."

It's tied in with bringing back healthy land, keeping deserts from developing, and managing water shortages.

Trees, healthy soil, and clean water are imperative for a solid planet. The day is celebrated every year on 5th June.

DYPCOEI celebrated World Environment Day on campus on 24th June 2024. Prof. (Dr.) Suresh Mali, Principal DYPCOEI, Mrs. Dipannita Mondal, Mr. Sunil Yadav, Prof. (Dr.) Deepali Sale, Mr. Sharad Jadhav along with students planted trees on campus.



World Environment Day celebrated by Prof. (Dr.) Suresh Mali, Principal DYPCOEI, Mrs. Dipannita Mondal, Mr. Sunil Yadav, Prof. (Dr.) Deepali Sale, Mr. Sharad Jadhav along with students planted trees on campus on 24th June 2024.

Industrial Training Python

PYTHON FOR BE STUDENTS

Industrial Training on “Python” organized by DYPCOEI for BE (Computer and AI-DS) students from 10th – 21st June 2024 (10 days).

Industrial training ensures that aspiring professionals stay up-to-date with the latest advancements, tools, and methodologies relevant to their chosen field. This knowledge gives them a competitive edge and increases their employability.

Day – 1 (10-06-2024)

Day-1, industry expert has introduced the basic concept of Python with its key features, Limitations and real time applications. Also given hands-on-training on installation of Python and Jupyter. How to use Jupyter IDE for Python Programming. different Python operators like- Arithmetic Operator, Assignment Operator, Bitwise Operator, Logic Operator, and Comparison Operator. Students solve many assignments of python programming.



Industrial Training on “Python” by Mr. Rakesh Chaure, Ms. Shivani Dang on 10th June 2024 for BE (Computer & AI-DS) students.

Day – 2 (11-06-2024)

Day-2, Industry expert has Explain Data types, and Comments in python, and explain how to use lists, tuples, and dictionaries in Python programs. Also gives hands-on-training on different Control Statement in python like- Nested if Statement Syntax, Nested if-else Statement Syntax.

Day – 3 (12-06-2024)

Day-3, industry expert has explain range() function and String. Also gives hands-on-training on range() function in python program. Practicals based on while, for loops. Use of pass, break and continue. Practicals on validation of username and password.

Day – 4 (13-06-2024)

Day-4, industry expert has explain different type of string like- single quote, double quote, and triple quote, also explain in Python, how to strings (str) can be created by enclosing text in single quotes ' , double quotes " , and triple quotes (" " , " " "). Expert explain Errors and Exceptions.



Industrial Training on “Python String” by Mr. Rakesh Chaure, Ms. Shivani Dang on 10th June 2024 for BE (Computer & AI-DS) students.

Also gives hands-on-training on handling exceptional error and syntax error in python program.

F-string in Python, F string with multiline string, examples based on F string and loops.

Day – 5 (14-06-2024)

Day-5, Programs based on Pattern program, Prime number program, palindrome, max number, hacker rank are taught. They discussed guidance on different domains in industry. Python problem solving techniques like Identify and define the problem. Consider possible solutions. Evaluate options. Choose the best solution. Implement the solution.



Industrial Training on “Python Pattern” by Mr. Rakesh Chaure, Ms. Shivani Dang on 14th June 2024 for BE (Computer & AI-DS) students.

Day – 6 (15-06-2024)

Day-6, They discussed Python Object Oriented Programming concepts with simple examples. Object-Oriented Programming is a programming paradigm that is based on the concept of "objects", which can contain data and code that manipulates that data. In OOP, objects are created from

templates called "classes", which define the properties and behavior of the objects they create.

Day – 7 (18-06-2024)

Day-7, They discussed Python Object Oriented Programming concepts. The `__init__` method is crucial in object-oriented programming in Python. It is a special method automatically called when an object is created from a class.

Day – 8 (19-06-2024)

Day-8, They discussed Sorting techniques using Python. The sorted function in Python is a built-in function used to sort elements in an iterable (like a list, tuple, string, etc.) in a specific order. It returns a new list containing the elements in the sorted order without modifying the original iterable.

Day – 9 (20-06-2024)

Day-9, They discussed data structure concept Stack using Python. In Python, a stack can be implemented using a list. You can use the `append()` method to add elements and the `pop()` method to remove elements from the stack.



Industrial Training on “Data Structure - Python” by Mr. Rakesh Chaure, Ms. Shivani Dang on 20th June 2024 for BE (Computer & AI-DS) students.

Day – 10 (21-06-2024)

Day-10, They discussed data structure concept Queue using Python. Queue in Python is a linear data structure with a rear and a front end, similar to a stack.

It stores items sequentially in a First In First Out manner. Also In the afternoon session students implemented tiny project.



Python Test conducted for BE students on 26th June 2024.

Python went through a series of consistent upgrades to become an interpreted, high-level, and general-purpose programming language.

The three major areas that can see the application of Python in future include data science, big data and networking.

Industries Training Python gives high level of functionality, many industries can't do without it, including: web development, data science and data analysis, machine learning, startups, and the finance industry, among others more than 50+ final year students attended the training.

Industrial Training - Java CORE JAVA FOR BE STUDENTS

Industrial Training on “Core Java” organized by DYPCOEI for BE (Computer and AI-DS) students from 10th – 21st June 2024 (10 days).

Core Java programming language continues to dominate the coding industry of the world. Any business going digital or already has a digital presence needs Java programmers. Many reputed organizations provide Java programming jobs because they want to hire the right talent.

Day – 1 (10-06-2024)

Day-1, OOP in java, Encapsulation, Abstraction, Inheritance Polymorphism, Function overloading, Object creation Use of object.



Industrial Training on “Core Java” conducted for BE students on 10th June 2024.

Day – 2 (11-06-2024)

Day-2, Array for multiple objects, Static function Static members, and Comparison Operator. Students solve many assignments of Core Java programming.



Industrial Training on “Core Java” hands-on training conducted for BE students on 11th June 2024.

Day – 3 (12-06-2024)

Day-3, Revision of all previous topics Polymorphism and its types Abstract data types and its types.

Day – 4 (13-06-2024)

Day-4, Static, final, finalize methods Inheritance and its types and all types with codes Interface introduction.

Day – 5 (14-06-2024)

Day-5, User defined exception Mini project based on banking system where use of user-defined exception occurs, Interface implementation How to implement multiple interfaces, User-defined interfaces.

Day – 6 (15-06-2024)

Day-6, Revision of all topics, Exception handling in java Types of exception, Checked Exception.

Day – 7 (18-06-2024)

Day-7, Unchecked Exception, Program Execution in java for handling exception, Documentation in java.

Day – 8 (19-06-2024)

Day-8, Multi-threading in java, Thread class use Deadlock introduction, Synchronized approach in java Practical based on above topics Expert explain Errors and Exceptions. Also gives hands-on-training on handling exceptional error and syntax error in Core Java program.



Industrial Training on “Multi-threading” training conducted for BE students on 19th June 2024.

Day – 9 (20-06-2024)

Day-9, Revision of overall topics, need of documentation How to read documentation, jdbc introduction and jdbc connectivity.

Day – 10 (21-06-2024)

Day-10, Students solved java assignment and 5 Mini Projects. Jdbc and implementation of SQL query through java program Driver in java, Jar files.

Industrial Training Core Java 10 days session was interactive and students have enjoyed. Core Java training was delivered by resource person Mr. Yogesh Patil, Founder and CEO, Archer Infotech, Pune.



Industrial Training on “Database Connection” training conducted for BE students on 21st June 2024.

As more and more sectors rely on Java for software development, knowing this language becomes a valuable skill. A Java training course opens doors to becoming a Java Developer, a highly sought-after job that includes managing and designing Java-based programs.



Core Java Test conducted for BE students on 26th June 2024.

Industries Training Core Java programming language is designed for creating highly reliable software. Language features guide programmers towards reliable programming habits robustness more than 120+ final year students attended the training.

Beyond Basics Training PYTHON FOR TE STUDENTS

Beyond Basics Training on “Python” organized by DYPCOEI for TE (Computer and AI-DS) students from 10th – 21st June 2024 (10 days).

Python is one of the most popular and widely used programming languages in the world. In fact, Python has surpassed Java to become the first-choice for developers in data science, AI and machine learning market. Everyday two sessions morning session based on explanation and afternoon session Hands-On training.

Day – 1 (10-06-2024)

Python training started on 10th June 2024. In morning session, they discussed Basics of Python, History of Python, Use of print statements in different ways, Basic operations, Variables, Rules of declaring variables in the morning session.



Beyond Basics Training on “Basic of Python” by Mr. A. Karthik & Mr. Harshavardhan on 10th June 2024 for TE (Computer & AI-DS) students. In the afternoon session they discussed Data types, User input, Conditional statement and examples of all topics with hands-on training.



Hands-On Training on “Basic of Python” by Mr. A. Karthik & Mr. Harshavardhan on 10th June 2024.

Day – 2 (11-06-2024)

Day 2 – 11th June 2024. They discussed Looping statements, Range function. In the afternoon session they discussed while loop examples, Function declaration and Function examples. Looping means repeating something over and over until a particular condition is satisfied. A for loop in Python is a control flow statement that is used to repeatedly execute a group of statements as long as the condition is satisfied.

Day – 3 (12-06-2024)

Day 3 – 12th June 2024. They discussed Recursion Function, Data Structure (list, tuple, dictionary) and its different methods of operations with challenging examples. Python data structures are essentially containers for different kinds of data. The four main types are lists, sets, tuples and dictionaries.

Day – 4 (13-06-2024)

Day 4 – 13th June 2024. They discussed String operations with examples. A Python String is a sequence of characters. Python Strings are immutable, meaning we can't modify a string once

we declare a string. Common examples include case conversion, comparison, concatenation, find, join, length, reverse, split, substring, and trim.

Day – 5 (14-06-2024)

Day 5 – 14th June 2024. They discussed guidance on different domains in industry. Python problem solving techniques like Identify and define the problem. Consider possible solutions. Evaluate options. Choose the best solution. Implement the solution.

Day – 6 (15-06-2024)

Day 6 – 15th June 2024. They discussed Python Object Oriented Programming concepts with simple examples.

Object-Oriented Programming is a programming paradigm that is based on the concept of "objects", which can contain data and code that manipulates that data. In OOP, objects are created from templates called "classes", which define the properties and behavior of the objects they create.

Day – 7 (18-06-2024)

Day 7 – 18th June 2024. They discussed Python Object Oriented Programming concepts. The `__init__` method is crucial in object-oriented programming in Python.

It is a special method automatically called when an object is created from a class.

Day – 8 (19-06-2024)

Day 8 – 19th June 2024. They discussed Sorting techniques using Python. The sorted function in

Python is a built-in function used to sort elements in an iterable (like a list, tuple, string, etc.) in a specific order. It returns a new list containing the elements in the sorted order without modifying the original iterable.

Day – 9 (20-06-2024)

Day 9 – 20th June 2024. They discussed Stack using Python. In Python, a stack can be implemented using a list. You can use the append() method to add elements and the pop() method to remove elements from the stack.

Day – 10 (20-06-2024)



Beyond Basics Training on “Python - Data Structure” by Mr. A. Karthik & Mr. Harshavardhan on 21st June 2024.

Day 10 – 21st June 2024. They discussed Queue using Python. Queue in Python is a linear data structure with a rear and a front end, similar to a stack. It stores items sequentially in a FIFO (First In First Out) manner. In the afternoon session they solved mini project banking problem statement.

In conclusion, learning Python is highly beneficial for students in multiple ways. More than 100+ TE students benefited by above training.

Aptitude Training

INDUSTRIAL TRAINING FOR SE STUDENTS

Industry Training on “Aptitude” has organized by DYPCOEI, Pune for SE (Computer and AI-DS) students from 10th – 18th June 2024. The session was attended by 80+ SE students.

Day – 1 (10-06-2024)

Day-1, Industry expert has first introduced the overall syllabus of Aptitude training. They discussed basics of aptitude and its need in order to clear first round i.e. “Aptitude” during interview. They taught tricks to solve problems on Square, Cube, Leap year, Reasoning, Factorial and Quiz on same.



Industrial Training on “Aptitude” by Mr. Pavan Nerniya, Trainer, Gyanteerth, Pune for SE students on 10th June 2024.

Day – 2 (11-06-2024)

Day-2, Industry expert has explained the concepts of percentage and percentile. They taught tricks to solve problems on Percentage, Percentile, Alphabets and their codes, If. Then Quiz, Coding, Decoding, Fractions, Direction, Rotation of angles,

Clock, Calendar (repetition method), and had conducted quiz on same.

Day – 3 (12-06-2024)

Day-3, Industry expert has explained the concepts of Mirror Image, Water Image, LCM/SCM, Unit digits & Blood relations along with examples. They taught easy tricks to solve the problems on above mentioned topics. Also they gave some ideas to remember mathematical formulas.



Industrial Training on “Mirror & Water Image” by Mr. Pavan Nerniya, Trainer, Gyanteerth, Pune for SE students on 12th June 2024.

Day – 4 (13-06-2024)

Day-4, Industry expert has taught tricks to solve problems on Profit and Loss, calculating average, and finding weightage. Also, they discussed problems on Syllogism, Binary Logics & Direction sense. At the end of session, they had conducted Q/A to solve students doubts.

Day – 5 (14-06-2024)

Day-5, Industry expert has discussed tricks to solve problems on Time, Distance, Speed, Puzzle, Average Speed, Relative Speed, Divisibility rules: 2 to 19, Square and Square Root, Direction sense

puzzles, Numerical on seating arrangements. They took quiz on the mentioned topics and conducted Q/A session at the end.

Day – 6 (15-06-2024)

Day-6, They had conducted quiz on Square and Square Root, Direction sense, Profit and Loss, Average, Weightage, Speed, Relative Speed, Divisibility rules, Binary Logics, Mirror Image, Water Image, LCM/SCM, Unit digits & Blood relations, etc.



Industrial Training on “Aptitude” by Mr. Pavan Nerniya, Trainer, Gyanteerth, Pune for SE students on 15th June 2024.

Day – 7 (18-06-2024)

Day-7, They discussed types of logical reasoning, statement and assumptions, ratio and proportions, Numerical on Seating arrangements, Direction, and took some practical numerical.

Enhancing problem-solving skills: Aptitude tests assess your ability to solve problems, analyze information, and think critically. By preparing for these tests, you develop and sharpen your problem-solving skills, which are highly valued in many careers.

SDP - Student Development Program

TECHNICAL DEVELOPMENT

Department of Computer Engineering

Department of Computer Engineering organized “Student Development Program (SDP)” for SE, TE and BE students from 24th – 29th June 2024.

Student Development Program focuses on the enhancement of the skills of the students apart from regular academic development.

It aims at increasing levels of understanding of the concepts and practical implementation of knowledge along with their research aptitude.

Day – 1 (24-07-2024)

Student Development Program started on 24th June 2024. Respected Prof. (Dr.) Suresh Mali, Principal DYPCOEI felicitated by Mr. Sunil Yadav, Assistant Professor, Computer Engineering Department.



Prof. (Dr.) Suresh Mali, Principal DYPCOEI felicitated by Mr. Sunil Yadav, Assistant Professor, Computer Engineering.

Prof. (Dr.) Suresh Mali guided students regarding their project selection. He discussed following points:

- Know Your Objective. evaluate your objectives, and understand what you want to describe, explain, recommend, and prove with your report.
- Recognize Your Audience, Data Collection & Structure the Report.
- Edit and Proofread.

He clarified students doubts with great examples.



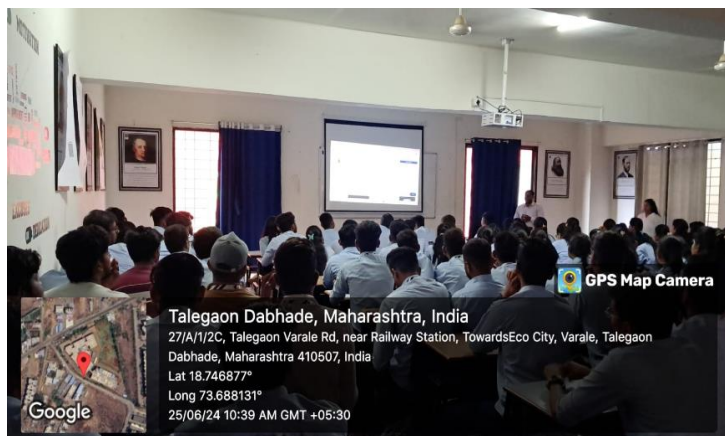
Student Development Program on “Project Guideline” by Prof. (Dr.) Suresh Mali, Principal DYPCOEI for BE students on 24th June 2024.

Day – 2 (25-06-2024)

Day 2 – 25th June 2024. POD AI session for BE students. POD AI is a growing team of technology consultant innovators. Team has a highly talented peer group that is very well respected in the technology world. They work in small scrum teams with a focus on fast iterations to deliver value.

POD provides campus placements management solutions to corporates to run all their campus

placements-related activities, walk-in drives, and ongoing lateral hiring's.



SDP session on “POD AI” by Mr. Nikhil Motewar, Manager, Academia Solutions for BE students on 25th June 2024.

Day – 3 (26-06-2024)

Day 3 – 26th June 2024. SDP session on “Basic Python” programming language by Mr. Laxmikant Malphedwar, Assistant Professor, DYPCOEI for SE students. He explained the history of the Python programming language, the setup of the Python Programming environment for Windows, Variables and Data types, Operations in Python.



SDP on “Basic Python” by Mr. Laxmikant Malphedwar, Assistant Professor, DYPCOEI for SE students on 26th June 2024.

Day 3 – 26th June 2024. In the Second session, SDP session on “Intellectual Property Rights(IPR)” by Mr. Pritam Ahire, Assistant Professor, NMIET, Pune. He gave a brief introduction on IPR and explained the various related terms such as copyrights, patents etc.



SDP on “Intellectual Property Rights (IPR)” by Mr. Pritam Ahire, Assistant Professor, NMIET, Pune for TE students on 26th June 2024.

Day – 4 (27-06-2024)

Day 4 – 27th June 2024. SDP session on “Python” by Mr. Santosh Kawade, Assistant Professor, DYPCOEI for SE students. He demonstrated functions of python programming and four main types lists, sets, tuples and dictionaries.



SDP on “Python” by Mr. Santosh Kawade, Assistant Professor DYPCOEI for SE students on 27th June 2024.

He demonstrated python libraries and frameworks. He shown python dealing with mathematical functions, data structures, and visualization.

Day – 5 (28-06-2024)

Day 5 – 28th June 2024. SDP first session on “DevOps” by Dr. Pramod Deshmukh, Solution Architect, Sygnious Infotech, Pune for BE students. DevOps is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes.



SDP on “DevOps” by Dr. Pramod Deshmukh, Solution Architect, Sygnious Infotech, Pune for BE students on 28th June 2024.

Day 5 – 28th June 2024. SDP second session on “Career Opportunities in EdTech” by Mr. Santosh Nagargoje, Team Lead, EdTech, Pune for TE students. He discussed the demand for cutting-edge educational technology solutions is constant because academic institutions prioritize innovation and ongoing learning.



SDP on “Career Opportunities in EdTech” by Mr. Santosh Nagargoje, Team Lead, EdTech, Pune for TE students on 28th June 2024.

Day – 6 (29-06-2024)

Day 6 – 29th June 2024. SDP session on “Tableau” by Mr. Irfan Chaugule, Senior Manager ExcelR, Pune for TE students.

He discussed about Tableau. Tableau helps people see, understand and act on data. Our visual analytics platform is transforming the way people use data to solve problems, organizations of all sizes trust Tableau to help them be more data-driven.



SDP on “Tableau” by Mr. Irfan Chaugule, Senior Manager ExcelR, Pune for BE students on 29th June 2024.

A Data Culture is the collective behaviors and beliefs of people who value, practice, and encourage the use of data to improve decision-making. As a result, data is woven into the operations, mindset, and identity of an organization. A Data Culture equips everyone in your organization with the insights they need to be truly data-driven, tackling your most complex business challenges.

Day 6 – 29th June 2024. SDP session on “Cloud Computing” by Dr. Pramod Deshmukh, Solution Architect, Sygnious Infotech, Pune for TE students.

He deliberated Cloud Computing Technology and its importance. Cloud computing is the on-demand availability of computer system resources, especially data storage and computing power, without direct active management by the user. Large clouds often have functions distributed over multiple locations, each of which is a data center.



SDP on “Cloud Computing” by Dr. Pramod Deshmukh, Solution Architect, Sygnious Infotech, Pune for TE students on 29th June 2024.

Day 6 – 29th June 2024. SDP session on “Object Oriented Programming” by Mr. Nitish Suresh Mali, Technical Support Engineer, Acquia, Pune for SE students. Object-oriented programming is a programming paradigm based on the concept of objects, which can contain data and code: data in the form of fields, and code in the form of procedures.



SDP on “Object Oriented Programming” by Mr. Nitish Suresh Mali, Technical Support Engineer, Acquia, Pune for SE students on 29th June 2024.

He discussed about OOP four basic principles of Encapsulation, Inheritance, Polymorphism, and Abstraction. These four OOP principles enable objects to communicate and collaborate to create powerful applications.

Benefits: Student Development Program focuses on the enhancement of the skills of the students apart from regular academic development.

It aims at increasing levels of understanding of the concepts and practical implementation of technical knowledge along with their research aptitude. Students learnt current trends and its applications.

Department of AI-DS

Department of AI-DS organized “Student Development Program (SDP)” for SE, TE and BE students from 24th – 29th June 2024.

Student Development Program play a crucial role in nurturing students skills beyond traditional academics. These program aim to foster holistic growth by offering a diverse range of opportunities for students to explore and develop their talents.

AI & DS Career Paths

Expert Session on “AI & DS Career Paths Skills, Roles & Opportunities in AI & DS” by Mr. Manav Prasad, CEO & Co-Founders and Mr. Devesh Chanchlani, Co-Founder & CTO, GoKloud Software Solutions Pvt Ltd, Pune.



Prof. (Dr.) Suresh Mali, Principal DYPCOEI inaugurated the expert session along with Mr. Manav Prasad, CEO & Co-Founders and Mr. Devesh Chanchlani, Co-Founder & CTO, GoKloud Software Solutions Pvt Ltd, Pune.

They discussed Overview of Artificial Intelligence, Key Areas in AI, Career Opportunities in AI, Skills & Education Pathways and Trends & Future of Artificial Intelligence.



Expert Session on “AI & DS Career Paths, Skills, Roles & Opportunities in AI & DS” by Mr. Devesh Chanchlani on 25th June 2024.

Mr. Devesh Chanchlani said rapidly advancing technological landscape, artificial intelligence (AI) and data science have become critical components in driving business growth and innovation. As a result, professionals with expertise in AI and data science are in high demand across various industries. AI and data science offer diverse and rewarding career paths for individuals with the right skills and expertise. By acquiring the necessary technical and soft skills, professionals can thrive in roles such as data scientist, machine learning engineer, AI research scientist, and data analyst.



Mr. Manav Prasad countered question raised by AI-DS students on 25th June 2024.

How to write project report in LaTeX

Session on “How to write Project Report in LaTeX” by Mr. Suraj Bhoite, Assistant Professor, AI-DS Department on 27th June 2024.

LaTeX is a typesetting system commonly used for academic and scientific writing. It provides tools for formatting text, equations, figures, and references in a professional manner. Writing project reports in LaTeX can help you create polished and well-organized documents that showcase your work effectively. In this article, we will walk you through the process of writing a project report in LaTeX.



Mr. Suraj Bhoite, Assistant Professor, AI-DS explaining “How to Writing Project Report in LaTeX” on 27th June 2024.

BE Project Development Process

First Session on “BE Project Development Process” by Prof. (Dr.) Suresh Mali, Principal DYPCOEI on 28th June 2024.

Prof. (Dr.) Suresh Mali described BE Project Development Process is a crucial aspect of a student's academic journey in the field of engineering. It involves the application of theoretical knowledge gained throughout the

course to solve real-world problems through the creation of innovative projects.



Prof. (Dr.) Suresh Mali, Principal DYPCOEI described “BE Project Development Process” on 28th June 2024.

The development process typically follows a structured approach to ensure the successful completion of the project within the given timeframe.



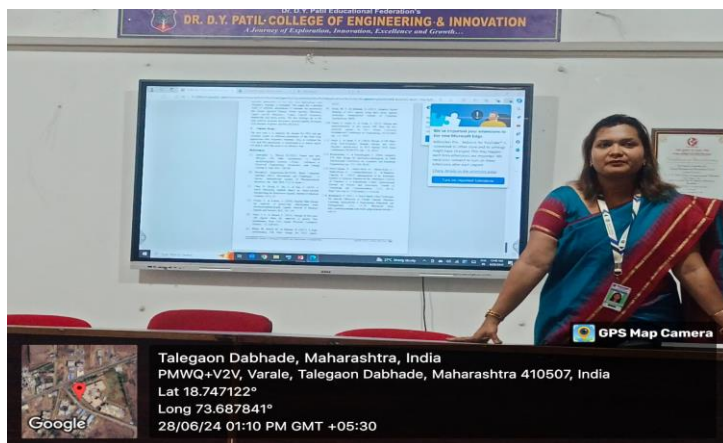
Prof. (Dr.) Suresh Mali, Principal DYPCOEI clarified students doubts on “Project Development Process” on 28th June 2024.

Students Understand how to finalize the topic of Project, Scope and feasibility of Project, how to find the problem statement from topic of Project and the whole process of Project Monitoring and Evaluation.

How to Write Research Paper?

Second Session on “How to Write Research Paper?” by Mrs. Dipannita Modal, Head AI-DS on 28th June 2024.

Mrs. Dipannita Modal explained How to Writing a research paper in English language can be a daunting task, but with the right approach and guidance, it can be a fulfilling and enriching experience. In this article, we will provide you with a comprehensive guide on how to write a research paper in English language.



Mrs. Dipannita Modal, Head AI-DS explaining “How to Write Research Paper?” on 28th June 2024.

Before you begin writing your research paper, create an outline to organize your thoughts and ideas. An outline will help you structure your paper and ensure a logical flow of information.

- Create a detailed outline with sections for introduction, body paragraphs, and conclusion.
- Include subheadings for each section to outline the main points.

- Refer back to your report statement to ensure your outline aligns with your main argument.
- Write the Introduction

The introduction is the opening paragraph of your research paper and should grab the reader's attention. In the introduction, you should provide background information on your topic and introduce your report statement.

Data Science Road Map

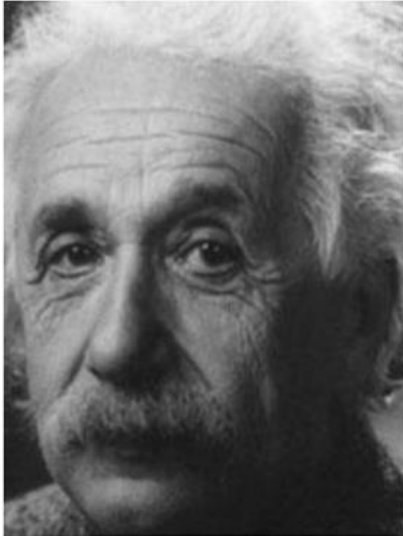
Third Session on “Data Science Road Map” by Mr. Jayesh Kothavale, BE student, AI-DS Department on 28th June 2024

Data science is a rapidly growing field that has become increasingly important in today's data-driven world. Whether you are a beginner or an experienced data scientist, having a road map can help you navigate the vast and complex landscape of data science. He clarified data science roadmap to guide you on your journey to becoming a successful data scientist.



Mr. Jayesh Kothavale, BE student, AI-DS explaining “Data Science Road Map” on 28th June 2024.

Quotes of the Month



The aim (of education) must be the training of independently acting and thinking individuals who, however, see in the service to the community their highest life problem.

— *Albert Einstein* —



India Won ICC MEN'S T20 WORLD CUP - 2024