

TRINITY

POLYTECHNIC, PUNE



TRINITY

E-Newsletter Vol - 1 (M-23)

Civil Engineering



To shape future technocrats for planning, designing, constructing and maintaining the civil engineering projects. The primary objective of the Department is to educate Civil Engineering students who can work in a multi-disciplinary environment to anticipate and address evolving challenges of the 21st century. The Department aims to develop skills in the fundamental principles of mathematics, science, and sub-disciplines in Civil Engineering that are necessary for success in industry as a Civil Engineer.

Vision: A collaborative hub where leading civil engineering research serves the needs of a broad array of disciplines and where innovations in other fields are applied to enrich civil engineering research and practice.

Mission : To produce civil engineers of high calibre ,technical skills and ethical values to serve the society and nation

Computer Engineering



The Computer Engineering Department was established in 2013 with an intake of 60 students. The Computer Engineering department has well qualified staff with various specializations to help and guide the students. The department has "Computer Engineering Students Association" (CESA) in which additional curricular activities for overall development of student is observed. The department has its own departmental library with sufficient number of titles.

Vision: "To satisfy the aspirations of the youth force, who wants to lead the nation towards prosperity through techno-economic development."

Mission : "To provide, nurture and maintain an environment of high academic excellence, research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards."

Electrical Engineering



Electrical department was started in 2014, with an intake capacity of 60. The department has a competent and committed faculty. The faculty members are drawn from the industry and academicians to enhance the delivery of academic programmes in the department. The key strengths of the department are qualified staff, established labs, Integrity in work, motivation, systematic process approach, Liberal work environment, student and staff feedback system.

TOPPERS

TY



RANDIVE VISHAL
86.32 %



**SAYYED MOHAMMED
OWAIS FAROOQUE**
93.11 %



Chaitrali Jagtap
86.20 %

SY



Kulkarni Ameya
85%



SHAIKH SAHER TANVIR
84.26 %



Mandar Sharad Shitole
81 %

Elect & Tele Engineering



The department's primary objective is to ensure quality academic environment for all the students. Therefore, under systematic education plan and monitoring, department is carrying out number of activities that will shape the professional career of the student.

Vision : To become a premier department for overall student development.

Mission : To provide joyful academic environment through available infrastructural facilities and human resources.

Mechanical Engineering



The Department of Mechanical Engineering was established in the year 2014 and offers Diploma program with intake of 60. We are vibrant, where academic curiosity and creativity flourish, and where dedicated faculties encourage students to expand their perspectives and hone their skills of critical thinking and communication. The department has qualified faculty with student-faculty ratio of 15 without considering teaching assistants.

Vision: The Department of Mechanical Engineering aims to be recognized as a leader in mechanical and aerospace engineering education and research. This vision will be fulfilled through excellence in education and targeted research themes in emerging areas.

Mission:

The mission of the Mechanical Engineering Department is to educate and prepare students at both the undergraduate and graduate levels for leadership roles in the fields of Mechanical Engineering to

TOPPERS

TY



Deepali Pawar
85.26 %



Anish Narayan Shinde
85.24 %

SY



Shoaib Shaikh
78 %



Mukkaram Tanvir Shaikh
84%

Sport



IEDSSA Cricket finals

Trinity Polytechnic, Pune arranged the Cricket 2022 under I.E.D.S.S.A. Mr. Santosh Doifode (HOD Comp) is the Organiser if Cricke 2022. The various colleges were participated from I.E.D.S.S.A. the Final Winner Team was St. St. John Polytechnic, Palghar was Winner in Cricket and the K. K. Wagh Polytechnic, was Runner Up in Cricket.



Government Polytechnic, Solapur is the Opening Winner.

Eleven Teams are participated in IEDSSA Cricket.

The opening Ceremony is held at 9 o'clock in morning on 8th Dec 2022. Managing Director MRS. HARSHADA V. JADHAV, Dr. S. B. Joshi (Principal of Trinity Polytechnic), KJ college of eng. , Dr. Nilesh Uke, Dr. Suhas Khot, Dr. Abhijit Auti, Dr. B.S. Keshav, Dr. Priti Sharma are Present for the opening Ceremony.



Kite Festival

21th Jan 2023

Trinity Polytechnic organises the Kite Festival for all staff and Student on 20th Jan 2023.

The **Bristol International Kite Festival**, full name Bristol International Festival of Kites & Air Creations, is held annually during September in [Bristol](#), England. It takes place at the [Ashton Court](#) estate, which is owned by [Bristol City Council](#), although it is actually in the district of [North Somerset](#). Entry is free but there is a charge for car parking. The festival started in 1986 and celebrated its 25th anniversary in 2011.



Kabaddi

1/3/2023

College was organised the Kabbadi Sport in Maidan. Prof. Prathmesh Sheth is the Kabaddi Organiser.

Kabaddi is a contact team sport. Played between two teams of seven players, the objective of the game is for a single player on offense, referred to as a "raider", to run into the opposing team's half of the court, touch out as many of their players and return to their own half of the court, all without being tackled by the defenders in 30 seconds.

Cultural Activity



Dandiya

5th Oct 2022

Trinity Polytechnic organises the Dandiya for all staff and Student on 4th Oct 2022

Raas or **Dandiya Raas** is the socio-religious [folk dance](#) originating from Indian state of [Gujarat](#) and popularly performed in the festival of [Navaratri](#). The dance is performed in the [Marwar](#) region of [Rajasthan](#) too.^[1] The etymology of Dandiya-Raas is in Sanskrit.



Best Teacher Award

27th Jan 2023

TPP Best Teacher Award is the National award to the Teachers, being awarded by the President, Hon. Shri. Kalyanrao Jadhav on 26th Jan (Republic Day) every year to give public recognition to meritorious teachers working in KJEI's Educational Institutes. Mr. Santosh Doifode (HOD Comp) is the Awarded Faculty for Computer Department. He taught Python Subject and Succeeded with amazing results.

FDP/Seminars Electrical Department



Need of Electronics As An Automation In Industry
Mr. Sanjay Chaudhari Director , Electronics Study Center

16/11/2022

Benefits of automation robots in the electronics industry

Automated manufacturing delivers a wide range of cost, quality, flexibility and safety benefits. Unlike human beings, they can repeat the same task consistently without getting tired, requiring breaks or making errors. Also, automation helps to extend the operating time, hence increase productivity.



BIS Standards for Engineering Appliances
The Scientist – E & Head, Bureau of Indian Standards, Gul Tekadi Pune

27/02/2023

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PERSONALITY DEVELOPEMENT
Mr. Vishal S. Jagtap

22/11/2022

Personality development **encompasses the dynamic construction and deconstruction of integrative characteristics that distinguish an individual in terms of interpersonal behavioral traits.** Personality development is ever-changing and subject to contextual factors and life-altering experiences.



PERSONALITY DEVELOPEMENT
Mr. Vishal S. Jagtap

22/11/2022

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Industrial Visit Electrical & Mechanical



Thermal Power Plant Eklahare , Nashik

24/11/2022 - 25/11/2022.

Nashik Thermal Power Plant is located at [Eklahare](#) village near [Nashik](#) in [Maharashtra](#). The power plant is one of the [coal](#) based power plants of [Maharashtra State Power Generation Company](#).

Nashik Thermal Power Station has an installed capacity of $140 \times 2 + 210 \times 3 = 910$ MW. The first unit was commissioned in 1970. the cost of unit including civil works was Rs 56.5 crores. and the second unit also commissioned with the same cost under the first stage. The second stage consists of three units of 210 MW each was commissioned in the later years. the power station campus includes self-contained township with all amenities. The entire land consists of 474 hectares. The power plant has got ISO Certification in April 2002. The Second stage of Power station 3×210 MW was started in April 1976. Sri C.N. Swamy was appointed as the first Project Manager to oversee the construction and commissioning of power plant. The first unit was commissioned in 1980.



Traction Substation Khadaki Railway station Pune



Dated on 11/04/2023

Pune division is having 71 stations among which are electrified and are all provided with standby electrical supply through DG sets. Also, some important locations are secured by standby electrical arrangement with DG sets. Pune division is having 132 LC gates from which 105 LC gates are provided with solar lights. Solar water heaters are provided for running rooms, rest houses, hospitals and hostels. For conservation of energy, LED lights are provided at all service buildings, quarters, stations and also provided. Solar pumps have been provided for conservation of energy.

EESA Inauguration & Technical Events



FDP/Seminars Civil Department



**Civil Engineering software & its importance's
Mr.Mayuresh Nalawade**

16/11/2022

A guest lecture on “Civil Engineering software & its importance’s” was held on 23th Nov 2022 in the Department of Civil Engineering, TPP. The guest speaker on the occasion was Er. Mayuresh Nalawade, Structural Consultant at Patil Construction, a Consulting Civil and Structural Designing firm based in Pune. The program was hosted by Ms.P.L.Sanas, Er Mayuresh Nalawade explains the students that how Reinforced Concrete Structures are designed using various designing software with live examples and also stressed the students to learn manual design procedures so that they can develop a better understanding of the subject. He emphasized the students to read thoroughly Indian Standard Code used for the design of Reinforced Concrete Structures such as IS456, IS1893, IS13920, IS875, SP34 etc. He also discussed the importance of drafting software Auto CADD & Tecla and stressed that a Civil Engineer should have the knowledge of these softwares. Later he answered to the questions and doubts put-up by the students.



**Digital Transformation of construction industry
Mr.Gurunank Patil**

14/11/2022

A guest lecture on “**Digital Transformation of construction industry**” was held on 11th Nov 2022 in the Department of Civil Engineering, TPP. The guest speaker on the occasion was Er.Gurunank Patil, BIM Cordinator in TATA consultant Pune .

Digital transformation of construction industry is something that has been developing over the years. There are now a variety of tools and software innovation in the construction industry that are changing the way of industry whole operates.



**CESA Inauguration
17/2/2023**

The Civil Engineering Association (CESA) was **formed with the primary aim of exposing potential civil engineers to the challenges of the profession.** With both students and faculty as its members, the organization is one of the most active Civil Engineering Associations.

Industrial Visit / VIP Visits



Place & Date-Ambegaon,Katraj

Company Details

Name:Sai Developers

Owner:Mr.Rajendra Patil

Report

Construction is an industry that includes the erection , maintenance & repair of building & other immobile structures.

Student Feedback –

1. Experiencing and learning more about construction site environment that will face after becoming a Quantity Surveyor and entering construction industry.
2. More understanding about construction technology of buildings and different methods of constructing, plus explore and identify different types of building materials.

..Objective –

3. Experiencing and learning more about construction site environment that will face after becoming a Quantity Surveyor and entering construction industry. ∅
4. Understanding about importance of safety and notes that should be taken before entering to a construction site for the accidents that may happen there, such as wearing sa f e t y m e a s u r e s .
5. More understanding about construction technology of buildings and different methods of constructing, plus explore and identify different types of building materials.
6. Casting of one way and two way slab.

Experience –

The summary of the site visit and experiencing real working space and the environment of construction, we realized that working at construction site is much more different and also more difficult, because of the weather conditions and the risks exist. This site visit gave us a chance to experience and learn what cannot be gained during lectures or tutorials. One of the first things that we have learnt is understanding the importance of safety which is a basic of construction, because of all dangers exist on site. Furthermore we have learnt many things by identifying different types of construction materials and their uses, and also learning a lot about construction process and methods that are used in our state, plus by talking and asking questions from the construction team who were guiding us at the site. Finally, this site visit helped for better understanding what we are going to face in future as a Quantity Surveyor, and also giving us better understanding about slab casting and design which comes under Reinforced cement concrete-II to help me in our studying.

FDP/Seminars Computer Department



Artificial intelligence & its application
Dr. Paresh Nasikkar & Dr. Mohammad Faseehuddin Asst.
Professor Symbiosis Institute of technology Pune.

17/02/2023



Ethical Hacking Cyber Security
Mr. S. Z. kateeb Zonal Manager, IANT Educom.

22/11/2022

Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include **expert systems, natural language processing, speech recognition and machine vision.**

Ethical hacking involves **an authorized attempt to gain unauthorized access to a computer system, application, or data.** Carrying out an ethical hack involves duplicating strategies and actions of malicious attackers.



Personality Development

Mr. Manoj D. Barse Regional Manager , CADFEM, Pune
07/04/2023



BIS Standards for Engineering Appliances
The Scientist – E & Head, Bureau of Indian Standards, Gul Tekadi Pune

27/02/2023

MOU's Computer Department

Company Name: Kinsys Business Services Pvt.Ltd

Purpose of MOU's:

- 1) Seminars &workshop for students
- 2) Guest lectures by Experts
- 3)Industrial visit to with prior permission
- 4)Training for students and staff members

Outcome :

Industrial visit

20-03-2023



Kinsys Business Services Pvt. Ltd. (KBS) is one of the best consulting companies in India. KBS with its partner companies provides end-to-end IT, Management & Business consulting, Blockchain solutions, Branding, Training & Resourcing solutions; helping our customers to meet the current industry requirements.

Xresilient Pvt. Ltd.

Purpose of MOU's:

- 1) Seminars &workshop for students
- 2) Guest lectures by Experts
- 3)Industrial visit to with prior permission
- 4)Training for students and staff members

Outcome :

Guest lectures by Experts

05-02-2023



Xresilient Innovations Private Limited is a 5 years 30 days old Private Limited Indian Non-Government Company incorporated on 20 Mar 2018. Its registered office is in South Delhi, Delhi, India. The Company's status is Active, and it has filed its Annual Returns and Financial Statements up to 31 Mar 2022 (FY 2021-2022). It's a company limited by shares having an authorized capital of Rs 1,660.52 cr and a paid-up capital of Rs 1,660.37 cr as per MCA.

IANT Pvt.Ltd.

Purpose of MOU's:

- 1) Seminars &workshop for students
- 2) Guest lectures by Experts
- 3)Industrial visit to with prior permission
- 4)Training for students and staff members

Outcome :

Industrial visit

14-12-2022



IANT [Institute of Advance Network Technology] is an Indian TechEd IT Company, globally recognized in International IT Training & Certifications Domain. Established in 1999, by Mr. R. F. Kherani and Mrs. Bhakti Ojha Kherani.

Katraj Dairy



You are visiting Pune Zilha Sahakari Dudh Utpadak Sangh Maryadit, popularly known as 'Katraj Dairy' in the local and branded as "Katraj", a district level co-operative organization registered in 1960, involved in processing milk and milk products. The representatives of milk producing farmers based in rurals, encompassing almost the entire Pune District, manage this organization on behalf of the milk producers for their (rural India) socio-economic growth. The objective of Katraj is to build a value chain of farmers to source milk at an organized level, manufacture products with high standards and sale these products in the competitive open market place.

Celestial



We are Pune based Cleantech company, providing reliable and premium range of solar products. We are authorized channel partner of Sungrow inverters and Renewsys Solar modules. Celestial Corporation Private Limited is a Private incorporated on 01 October 2013. It is classified as Non-govt company and is registered at Registrar of Companies, Pune. Its authorized share capital is Rs. 100,000 and its paid up capital is Rs. 100,000. It is involved in Business activities n.e.c.

Celestial Corporation Private Limited's Annual General Meeting (AGM) was last held on 31 December 2020 and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on 31 March 2020.