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"Ignited minds are the most powerful resources on earth, and the one billion minds of our nation are indeed a great power waiting to be tapped."



Hon. Mr. S M Katkar
Founder Director
Zeal Education Society, Pune.

About Institute

Zeal Polytechnic, Narhe, Pune

Zeal Education Society was established in 1996 with the vision to offer education with a difference, the expert guidance of Hon. Shri. S.M. Katkar, a distinguished industrialist. ZES hosts eight institutes that provide quality education to students from pre-primary to Ph.D. courses.

Zeal Polytechnic started in 2008 and offers Diploma Courses in Mechanical Engineering, Civil Engineering, Computer Engineering, Electronics and Telecommunication Engineering & Electrical Engineering.

Founder Director's Message

Hon. Mr. S M Katkar

I believe that diploma education provides hands on experience to students. Therefore, as an entrepreneur, I insisted my three sons to take admission in polytechnic before going to higher education in mechanical engineering.

At zeal polytechnic, we are committed to creating an ambience for nurturing innovation, creativity and excellence in our students. We aim to prepare young engineer entrepreneurs and managers. They will have the competence and confidence to face all challenges. It is possible only when we impart high quality technical and managerial education coupled with appropriate training and wide exposure to the state of art practices.

This newsletter lays emphasis on all round personality development and also on inculcating human values and professional ethics. It helps our students become more human and socially responsible beings to lead a meaningful life. I wish every knowledgeable, healthy and prosperous life to all.

Principal's Message

Prof. Ayub A. Tamboli

I am very happy to note that the department of Civil Engineering of Zeal Polytechnic is releasing its newsletter enumerating the various activities and achievements of their faculty and students. Polytechnic education provides the knowledge and skills required to help revolutionize the world in which we live. The students and faculty of department are proactive in taking initiatives in technical, cultural and social events. I hope this newsletter will serve the purpose of reflecting all activities of this department and it will inspire others to do their best. I congratulate all the students who have put their efforts in bringing this first issue of newsletter and also appreciate HOD and all faculty members for motivating the students towards this fulfillment. I wish each one of them in the department success in all their endeavors.



Prof. Ayub A. Tamboli
Ph. D Pursuing, ME(HPE), BE(ME)
Principal,
Zeal Polytechnic, Narhe, Pune.

H. O. D's Message

Mr. Prashant L. Jadhav

A Civil Engineer shapes the world by building their imagination in reality. By knowing the value and importance of our department, we have cultivated ourselves to meet the needs and expectations of society. The Department of Civil Engineering was established in the year 2010. Taking a glance at the recent history of infrastructure constructions in the world, it is certain that the civil engineering technologies of our country stand at one of the highest levels in the world. Civil Engineers play ever-increasing and visible roles in shaping our future and the world we live in. They seek creative solutions to complex issues in the today's world like engineering sustainable cities, designing, building and renewing the world's infrastructure, meeting growing energy and water demands, and preserving and protecting the environment. Students are also encouraged to participate in project competition and model making to gain practical experiences in preparation of project and competition. Department carries out various civil engineering consultancy works for the private agencies in the field of Designing and Testing.



Prof. Prashant L. Jadhav
M. Tech. (Hydraulics), B.E. (CE)
HOD, Department of Civil Engg,
Zeal Polytechnic.

Editor's Message

Prof. Pranali.S.Patil

It is with much respect and humility that I present before you this newsletter, which brings into limelight this edition of expressions galore in the minds of our ZEALIAN's. Every creator painfully experiences the charm between his inner vision and the ultimate expression, the charm that is never completely bridged. We all have the conviction, perhaps illusory, that we have much more to say than that appears on the paper. Through the pages of this endeavor you can see the breathings of young hearts, as words are little audible links that bring together the great inaudible feelings and purposes. As a part of education, Civil Department always give importance to practical and hands on practice of engineering knowledge. Also it promotes the students for stage performance to display their knowledge from medium like paper presentation, project competition, quiz competition, workshops, exhibition etc. We are trying to display all of these news in this newsletter.

I am very happy to play editor role for this department.



Prof. Pranali.S.Patil
ME (Construction Management),
B.E (CE)Lecturer, Zeal Polytechnic,
Narhe, Pune.

"A good education is a foundation for a better future."

Education is the manifestation of the perfection already existing in man



Editorial Committee

Sr.No	Name of member	Designation
1	Prof. P.S.Patil	Chief Editor
2	Prof. P.T.Patil	Editor
3	Prof. V.A.Kadam	Member
4	Miss.Jagtap Akanksha Nandkumar	Member
5	Miss.Wakchaure Pranita Prithviraj	Member
6	Miss.Shaikh Nusrat Nafiz Arif	Member
7	Mr. Rathod Santosh Shankrappa	Member
8	Mr. Sakpal Pranav Pramod	Member
9	Miss. Choudhari Bhavana Jasraj	Member

Zeal Education Society's Vision...

“To empower society with holistic development through quality education”



Vision

“Transforming dreams into reality by developing an individual's potential through spread of knowledge and wisdom in healthy environment.”.



Mission

- Implement comprehensive teaching learning processes to create competent students.
- Focus on character building through a range of curricular and extra-curricular activities.
- Motivate students to identify social needs and provide engineering solutions.

About Department

Department of Civil Engineering

The Department of Civil Engineering was established in 2010. The intake capacity is 180. The department aims at offering the students learnings that will stay with them forever and develop professional skills to help them face the challenges in the industry and create better prospects for them. The curriculum is conducted in a structured manner. The Civil Engineering Department has 07 well equipped labs with latest equipment required for curriculum development. Various industry experts and eminent resources conduct workshops and seminars and share their valuable knowledge and expertise with the students.



Vision

“To create competent, self-disciplined, morally strong Civil Engineers with capabilities of accepting challenges of ever advancing technology for the benefit of society”.



Mission

- To impart quality education in Civil Engineering.
- To raise the satisfaction level of all stake holders.
- To motivate students for proactive learning by creating conducive atmosphere.

FACULTY PROFILE

Department of Civil Engineering



Name	Prof. Prashant L.Jadhav
Qualification	B.E. Civil, M. Tech. (Hydraulics)
Designation	Head Of Department
Experience	Teaching:- 10 Years
Area of Interest	HYD, IEN, BCO, BDR, CTE, MAN, SOM, TEN, HEN, WRE
Email ID	prashant.jadhav@zealeducation.com



Name	Prof. Mahesh V.Khade
Qualification	B.Tech. (Civil), M.E. (Hydraulics Engineering)
Designation	Lecturer
Experience	Teaching:- 10 Years Industrial:- 2 Years
Area of Interest	MOS, TRE, PHE, SWM
Email ID	mahesh.khade@zealeducation.com



Name	Prof. Prataprao T.Patil
Qualification	B.E. Civil, M.E. Environmental (Pursuing)
Designation	Lecturer
Experience	Teaching : 10 Years
Area of Interest	TOS, MOS, EGM, ASU, PHE, SWM
Email ID	prataprao.patil@zealeducation.com



Name	Prof. Harsha S. Shinde
Qualification	M.E. (Structure), B.E. Civil
Designation	Lecturer
Experience	Teaching: 7 Years, Industry: 0.6 Year
Area of Interest	WRE, BCO, CTE, HEN, RBE, GTE, MRS
Email ID	Harsha.shinde@zealeducation.com



Name	Prof. Vrushabh Ashok Kadam
Qualification	B.E. Civil
Designation	Lecturer
Experience	Teaching:- 1.5 Years
Area of Interest	MRS, MOS, SWM, RBE
Email ID	vrushabh.kadam@zealeducation.com



Name	Prof. Shubham Shivaji Kadam
Qualification	B.E. Civil
Designation	Lecturer
Experience	Teaching:- 1.3 Years
Area of Interest	MOS, TOS, ASU
Email ID	shubham.kadam@zealeducation.com



Name	Prof. Patil Pranali Sanjay
Qualification	BE (Civil), ME(Construction Management)
Designation	Lecturer
Experience	Teaching:- 1.5 Year
Area of Interest	AME, SOM, TOS, DSR
Email ID	pranali.patil@zealeducation.com



Name	Prof. Jagdip Tanaji Patil
Qualification	Btech civil
Designation	Lecturer
Experience	Teaching:- 1 Year Industrial:- 3 Years
Area of Interest	HYD, BDR, CTE, SOM, WRE
Email ID	jagdip.patil@zealeducation.com



Name	Prof. Akash S Galande
Qualification	DCE, BE CIVIL
Designation	Lecturer
Experience	Teaching:- 1 Year Industrial 3 years
Area of Interest	BPD,GTE.RBE,CMA,SWM
Email ID	akash.galande@zealeducation.com



Name	Prof. Govind.R.Chilla
Qualification	BE CIVIL
Designation	Lecturer
Experience	Teaching:- 7 Years Industrial 1 year
Area of Interest	CEW, CMA,CMN
Email ID	govind.chilla@zealeducation.com



Name	Prof. Sunil.B.Makhare
Qualification	BE CIVIL
Designation	Lecturer
Experience	Teaching:- 2 Months
Area of Interest	ETC,CMA,CEW
Email ID	sunil.makhare@zealeducation.com



Name	Prof. Yogita.S.Kadam
Qualification	ME Structures
Designation	Lecturer
Experience	Teaching:- 4.5 Years
Area of Interest	BSU, MAN,MOS,TOS
Email ID	Yogita.kadam@zealeducation.com



Name	Prof. Pruthviraj.H.Gund
Qualification	M.Tech (Construction Management)
Designation	Lecturer
Experience	Teaching:- 1.5 Years Industrial 1 year
Area of Interest	AME,BSU,CMA,CTE
Email ID	pruthviraj.gund@zealeducation.com



Name	Prof. Prajkta.T.Shah
Qualification	ME(Environmental Engineering)
Designation	Lecturer
Experience	Teaching:- 7 Years Industrial:- 2 years
Area of Interest	PHE,SWM,ETC
Email ID	Prajakta.shah@zealeducation.com



Name	Prof. Neha.S.Pawar
Qualification	ME(Structure)
Designation	Lecturer
Experience	Teaching:- 2 Years
Area of Interest	MOS,TOS,GTE,CEW
Email ID	Neha.pawar@zealeducation.com



Name	Prof. Rahul.R.Bhosale
Qualification	BE Civil
Designation	Lecturer
Experience	Teaching:- 1 Month Industrial:- 1.5 years
Area of Interest	MAN,ETC,CMA,BSU
Email ID	Rahul.bhosale@zealeducation.com



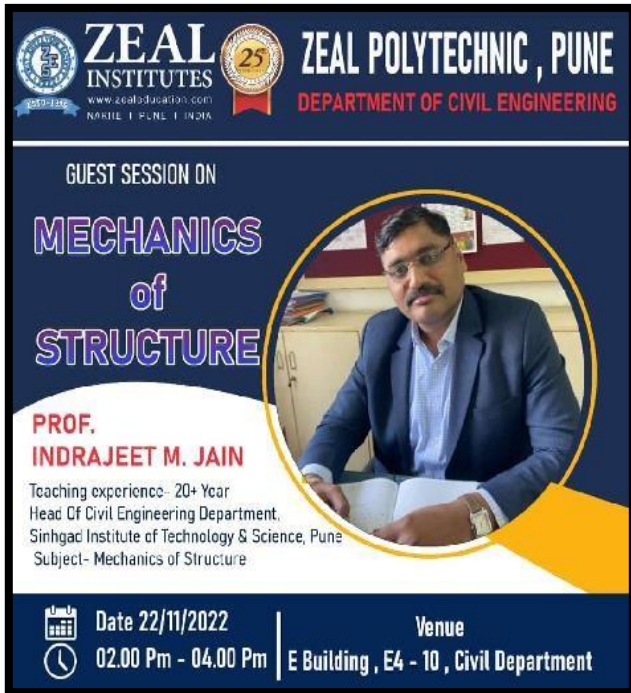
Name	Prof.Khan Mohammed Shakeebulla
Qualification	M.Tech(Structure) [PHD Pursuing]
Designation	Lecturer
Experience	Teaching:- 7 Years
Area of Interest	AME,MOS,TOS,CMA,MAN
Email ID	Shakeebulla.khan@zealeducation.com



Name	Prof.Sawal Saad Ashik
Qualification	BE Civil
Designation	Lecturer
Experience	Teaching:- 1 Year
Area of Interest	ETC,MAN,CMA,CTE
Email ID	Saad.sawal@zealeducation.com

CO-CURRICULAR ACTIVITIES

Guest Lectures and Workshops



ZEAL INSTITUTE **25** **ZEAL POLYTECHNIC, PUNE**
www.zealeducation.com DEPARTMENT OF CIVIL ENGINEERING
NARHE | PUNE | INDIA

GUEST SESSION ON

MECHANICS of STRUCTURE

PROF. INDRAJEET M. JAIN

Teaching experience - 20+ Year
Head Of Civil Engineering Department,
Sinhgad Institute of Technology & Science, Pune
Subject- Mechanics of Structure

Date 22/11/2022 | **Venue**
02.00 Pm - 04.00 Pm | **E Building , E4 - 10 , Civil Department**



Mechanics of Structure Expert's Session



ZEAL INSTITUTE OF TECHNOLOGY **25** **ZEAL POLYTECHNIC, PUNE**
Department of Civil Engineering

Expert Session on
'CONNECTING CAMPUS 2 CORPORATE'
For TY students

Er. Kishan Ojha
Speaker
(Building and Railway Projects)
Expertise- Quantity Survey

Er. Akash Bohare
Speaker
(Industrial Projects)
Expertise- Bar Bending Schedule

21/09/2022
11.00am - 1.00pm

Venue:
E Building, E4-10, Civil Department

Vision
"To create competent, well-disciplined, morally strong Civil Engineers with capabilities of accepting challenges of ever-advancing technology for the benefit of society".

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Connecting Campus 2 Corporate Session

INDUSTRY INSTITUTE INTERACTION

Expert's Talk
A webinar Series

ZEAL POLYTECHNIC, PUNE
Department of Civil Engineering

Mr. Gaurank patil
BIM 4D AND 5D CO-ORDINATOR
Tata project limited

Digital transformation in Construction industry.

Venue : Engineering Department (E4-10)
15th Sept 2022 | Saturday 02.30 pm to 4.00pm

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Digital transformation in Construction Industry

INDUSTRY INSTITUTE INTERACTION

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Department of Civil Engineering

Site Visit at
WASTE WATER TREATMENT PLANT
Name of Guide : Ms. Smita Marane

28th November, 2022 | Monday 09:00 am to 12:00pm
Venue - Near Rajaram Bridge, Sinhgad Road, pune

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ZEAL POLYTECHNIC, PUNE
DEPARTMENT OF CIVIL DIPLOMA

TECHNICAL WORKSHOP ON
CIVIL SURVEY USING TOTAL STATION

MR. DHANANJAY WAKURE, BE (CIVIL),
SURVEYOR, INDO GERMAN TOOL ROOM.

MR. HARISH BODKHE BE (CIVIL),
SURVEYOR, INDO GERMAN TOOL ROOM.

POINTS TO BE COVERED-

1. Introduction of total station
2. Operating of total Station.
3. Hands on practical of total Station.

2 DAYS WORKSHOP

DATE 1/12/2022 TO 2/12/2022

CO-CURRICULAR ACTIVITIES

Site Visits

❖ Industrial Site Visit organized at Nyati Constructions, Pune.



SOCIAL ACTIVITIES **BLOOD DONATION CAMP**

In association with Chhatrapati Shahu Maharaj Pratisthan's
AADHAR BLOOD CENTRE



Blood Donation by Staff



Blood Donation by Students

STUDENTS ACHIVEMENTS
Civil Toppers List (Winter 2022)

❖ List of Toppers Students from SYCE- A

Sr. No.	Name of the Student	Percentage (%)
1	RATHOD SANTOSH SHANKRAPPA	97.00%
2	KAMBLE KAUSTUBH GIRISH	87.78%
3	KAMBLE VAIBHAV RAMDAS	85.22%

❖ List of Toppers Students from SYCE- B

Sr. No.	Name of the Student	Percentage (%)
1	SABLE PRANAY SATISH	89.22%
2	JAYDEEP KADAM	86.56%
3	SURVE YASH RAHUL	83.33%

❖ List of Toppers Students from TYCE- A

Sr. No.	Name of the Student	Percentage (%)
1	TITHE RUSHIKESH SHRIRANG	94.70%
2	MOMIN MUBARAK MOHAMMAD	92.10%
3	BHOSALE SURAJ DILIP	91.70%

❖ List of Toppers Students from TYCE- B

Sr. No.	Name of the Student	Percentage (%)
1	MUJUMALE DEVRAJ VILAS	95.50%
2	DIGGEKAR SHREYA DEEPAK	87.40%
3	SHAIKH IRFAN SHAHABUDDIN	86.70%

STAFF ACHIVEMENTS

❖ Following faculties from department published their own books and international papers to enhance betterment of subject.

Sr. No.	Name of Faculty	Title of papers	Name of journal/Conference	Year of Publication	
1	Mr. P. L. Jadhav	1	Cost Effectiveness of Non- Subsidized Drip over Subsidized Drip Irrigation System	IJARSE Vol 07, Special Issue 03	2018
		2	Experimental Analysis Of Scour Depth Reduction By Using Geotextile Riprapping Around Bridge Pier	IJCIET Scopus Indexed Vol 9, Issue 7	2018
		3	Partial Replacement of Rice Husk Ash & Waste Tyre Rubber as Cement & CoarseAggregate in Concrete	IJCRT Vol 06, Issue 02	2018
		4	Experimental study of different method of curing & strength Analysis of concretecubes	IJERD-2020	2020
		5	Review Paper on Strength Analysis of different grades of concrete by using bacterial.	International journal of advances in engineering and management (IJAEM)	2021
		6	Experimental strength analysis of concrete by using different curing method	Volume 3, issue 6 June 2021, pp: 1631-1636 www.ijaem.net	2022
		7	Partial replacement of bitumen using plastic waste in bituminous pavement	International Journal of all research education and scientific methods	2022

2	Mr. M. V. Khade	1	A review of ANN in Rainfall-Runoff simulation.	ICSD-2019	2019
		2	Impact Analysis of JSA.	Panchatatva-2019	
		3	Rainfall- Runoff simulation Using ANN considering Temperature effects.	ICITT-2019	
4	Miss P. S. Patil	1	Application of ANN to calculate CBR value for soil investigation	The journal of oriental research, Madras Volume XCII - I	2021
		2	Affordable Earthquake Building	International Journal for Research in Applied Science & Engineering Technology, Volume 10, Issue V.	2022
		2	Study of Turbulent Flow Calculations: RANS Equation	IJARESM Vol 10, Issue 03	2022
5	Miss H. S. Shinde	1	Study of Turbulent Flow Calculations: RANS Equation	IJARESM Vol 10, Issue 03	2022
		2	Influences of Masonry Infill Wall, Tie Beam and RCC Bracing on Soft Storey Mechanism	IJSER Vol 06, Issue 02	2015
		3	How to Use Plastic Waste to Construct Rural Road	IJSRD – International Journal for Scientific Research & Development Vol. 8, Issue 12, 2021 ISSN (online): 2321-0613,Page No.171	2021
6	Prof. KadamV A	1	Partial Replacement of Bitumen Using Plastic Waste in Bituminous Pavement	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 10, Issue 8.	2022
7	Prof. Govind R. Chilla	1	To study experimental work on waste sand material in concrete	IJRSET Vol. 11, Issue 06	2022

8	Prof. Yogita Kadam	1	Comparative Study Of An Industrial Pre-Engineered Building With Conventional Steel Building -	Publication Research Revolution Volume VI Issue6	2021
9	Prof. Mohmmad Khan	1	“An Experimental Investigation OnStrength And Chloride Ion Permeability Characteristics Of Concrete By Partial Replacement Of Sugar Cane Bagasse Ash With Fine Aggregate”	International Journal of Modern Trends in Engineering and Research (IJMTER), Volume 04, Issue 9,	2017
10	Prof. KadamV A	1	Partial Replacement of Bitumen Using Plastic Waste in Bituminous Pavement	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 10, Issue 8.	2022

The staff of Civil Department always trying to update themselves as per curriculum requirement.

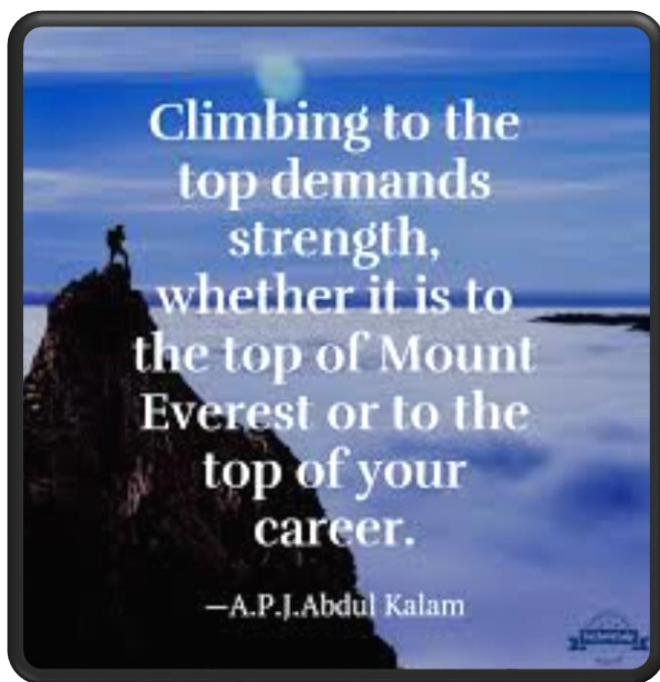
INDUSTRY INSTITUTE INTERACTION(III)

- ❖ As usual for grooming of students and their projects, department of civil engineering has done memorandum of understanding with different industries for a specific period of time. The concern industries help to students to upgrade knowledge and hands on practice

Name of Company	Type of Company	Contact Person	MOU Period
SOFTWARE ACADEMY FOR CIVIL ENGINEERS (SACE)	Software Training Institute	Mr. Akash Bagde	3 Years
CADD CENTRE, NARHE, PUNE	Software Training Institute	Ms. Rashmi Sharma	3 Years
SHIVRAJ CONSTRUCTION	Construction	Mr. Amoghi Shinde	3 Years
CIVILION CONSTRUCTION & DEVELOPERS	Construction	Mr. Saifan Godikat	3 Years
INSTITUTE OF REAL ESTATE AND FINANCE	Institute	Mr. Suraj Kolage	2 Years
PATHFINDER CONSTRUCTION AND BIM SERVICES	Construction	Mr.Gaurank Patil	3 Years
CIVIL GURUJI	Construction	Mr.Kishan Ojha	3 Years
GRAPHIX TECHNOLOGIES	Software Training Institute	Mr.Ganpat Wanghmode	3 Years

❖ The External Monitoring Committee has remarked as following.

Academic Year	First Shift	Second Shift
2021-22	Very Good	Very Good
2019-20	Very Good	Very Good
2018-19	Very Good	Good
2017-18	Very Good	Good
2016-17	Good	Good
2015-16	Excellent	Very Good



Thanks for your reading, keep visiting...