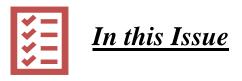


Volume 1 Issue 1





Founder Director's, Principal's and HOD's Message



Institute Vision and Mission



Department Vision and Mission



Faculty Profile



Co-curricular Activities



Extra-CurricularActivities



Social Activities S



Students Achievements



Faculty Achievements

Volume 1 Issue 1



### About Institute

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 preprimary 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.

"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.

## **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 a veryknowledgeable, 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 worldin 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.

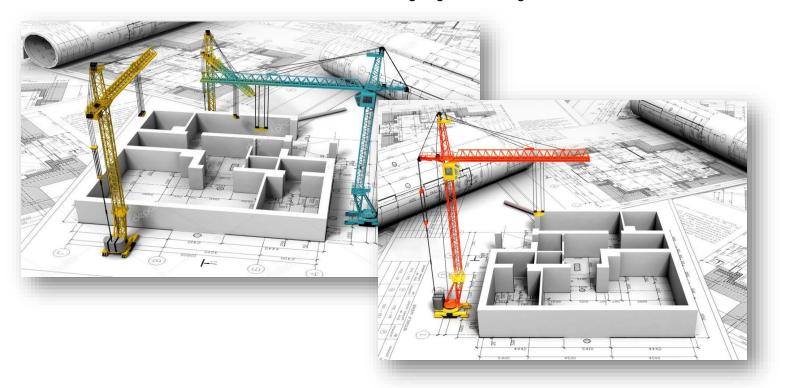


Prof. Prashant L. Jadhav M. Tech. (Hydraulics), B.E. (CE) HOD, Department of Civil Engg, Zeal Polytechnic.

# 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.



# **Editor's Message**

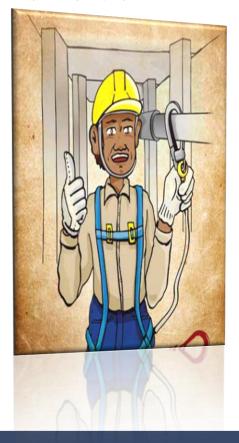
Prof. Pranali.S. Patil

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.



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

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



At its heart, engineering is about using science to find creative, practical solutions. It is a noble profession. Page 4

# **Editorial Committee**

Sr. No	Name of member	Designation
1	Prof. P.S.Patil	Chief Editor
2	Prof. N.S.Pawar	Editor
3	Prof. M.V.Khade	Member
4	Mr. Darwatkar Aniket Avinash	Member
5	Mr. Surve Yash Rahul	Member
6	Miss.Vedika Prasad Mahale	Member
7	Mr. Pednekar Aniket Raju	Member
8	Mr. Kumbhar Shrutika Ramkrishna	Member
9	Mr. Bhosale Suraj Dilip	Member
10	Miss.Diggekar Shreya Deepak	Member





#### "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.



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



- To impart quality education in Civil Engineering.
- To raise the satisfaction level of all stake holders.
- To motivate students for proactive learning by creating conductive 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:- 8 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:- 7 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 : 8 Years
Area of Interest	TOS, MOS, EGM, ASU, PHE, SWM
Email ID	prataprao.patil@zealeducation.com

# **ZEAL poly's** Career Crafter's\_ <u>2021-22</u>



Name	Prof. Harsha S. Shinde
Qualification	M.E. (Structure), B.E. Civil
Designation	Lecturer
Experience	Teaching: 5 Years, Industry: 0.6 Year
Area of Interest	WRE, BCO, CTE, HEN, RBE, GTE, MRS
Email ID	Harsha.shinde@zealeducation.com



Name	Prof. Patil Ashwin Sadashiv
Qualification	Btech(CWM) ME (Structure)
Designation	Lecturer
Experience	Teaching:- 6 Years
Area of Interest	HYD, IEN, BCO, BDR, CTE, MAN, SOM, TEN, HEN, WRE
Email ID	ashwin.patil@zealeducation.com



Name	Prof. Deshmukh Rutuja Harishchandra
Qualification	B.E.Civil ,MTech(Construction Management)
Designation	Lecturer
Experience	Teaching: - 2.5 Years Industrial:- 1 Years
Area of Interest	Construction Material, Entrepreneurship Development
Email ID	rutuja.deshmukh@zealeducation.com

# **ZEAL poly's** Career Crafter's\_ <u>2021-22</u>



Name	Prof. Ansari Aminabi Nasirpasha
Qualification	ME Structure
Designation	Lecturer
Experience	Teaching:- 8 Years
Area of Interest	Structure
Email ID	Aminabi.ansari@zealeducation.com



Name	Prof. Akash Suresh Mainkar
Qualification	BE CIVIL
Designation	Lecturer
Experience	Industrial:- 2.5 Years
Area of Interest	BSU , ASU, AME, MOS ,TOS, HRY,
Email ID	akash.mainkar@zealeducation.com



Name	Prof. Piche Ratnkant Rajkumar
Qualification	B.E. Civil
Designation	Lecturer
Experience	Teaching:- 2 Months
Area of Interest	Survey, Geotechnical Engg, Building Materials, Highway Engg
Email ID	ratnkant.piche@zealeducation.com

# **ZEAL poly's** Career Crafter's\_ <u>2021-22</u>



Name	Prof. Pawar Pratiksha Kumar
Qualification	BE Civil, MTech Structure
Designation	Lecturer
Experience	Teaching: 2 Months
Area of Interest	Emerging Trends in Civil Engineering, Construction Management
Email ID	pratiksha.pawar@zealeducation.com



Name	Prof. Patil Pranali Sanjay
Qualification	BE (Civil), ME(Construction Management)
Designation	Lecturer
Experience	Teaching: - 2 Months
Area of Interest	AME, SOM, TOS, DSR
Email ID	pranali.patil@zealeducation.com



Name	Prof. Vrushabh.Ashok.Kadam
Qualification	BE CIVIL
Designation	Lecturer
Experience	Teaching: - 2 Months
Area of Interest	MAINTENANCE, FLUID MECHANICS
Email ID	vrushabh.kadam@zealeducation.com



Name	Prof. Sawale Priya Sunil	
Qualification	BTECH (CIVIL) MTECH ( WREE)	
Designation	Lecturer	
Experience	Industrial:- 1 Years	
Area of Interest	SOM, WRE	
Email ID	priya.sawale@zealeducation.com	



Name	Prof. Jagdip Tanaji Patil	
Qualification	Btech civil	
Designation	Lecturer	
Experience	Teaching: - 0.6 Years Industrial: - 3 Years	
Area of Interest	HYD, BDR, CTE, SOM, WRE	
Email ID	jagdip.patil@zealeducation.com	



Name	Prof. Rashmi . P Ambike	
Qualification	ME Environmental	
Designation	Lecturer	
Experience	Teaching:- 10 Years Industrial:- 5 Years	
Area of Interest	THEORY OF STRUCTURE, CAPSTONE PROJECT	
Email ID	rashmi.ambike@zealeducation.com	



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



Name	Prof. Amit H.Shirudkar	
Qualification	B.E. Civil	
Designation	Lecturer	
Experience	Teaching:- 4.5 Years Industrial: 3.5 Years	
Area of Interest	TOS, SOM, GTE ,CTE ,BCM, Public health engg.	
Email ID	amit.shidurkar@zealeducation.com	



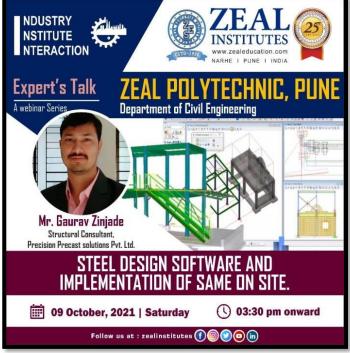
Name	Prof. Yogita M.Rajput	
Qualification	B.E. Civil, M. Tech. (Hydraulics)	
Designation	Lecturer	
Experience	Teaching: - 2 Years	
Area of Interest	HYD, SOM, GTE, WRE	
Email ID	yogita.rajput@zealeducation.com	



Name	Prof. Shubham S.Kadam
Qualification	BE CIVIL
Designation	Lecturer
Experience	Teaching:- 2 Months
Area of Interest	Management, Theory of Structure
Email ID	shubham.kadam@zealeducation.com

#### **CO-CURRICULAR ACTIVITIES** Guest Lectures and Workshops















25

**Pandemic World** 

**ZEAL POLYTECHNIC, PUNE** 

**Department of Civil Engineering** 

ZEAL

NARHE I PUNE I INDIA **Guest Lecture on** 

Speaker

Prof. Sonali Joshi

Prof. P.L. Jadhav

**Head of Department** 





Zeal Polytechnic, Narhe, Pune-41

Platform: Microsoft team

For further details contact : 8669900049

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Training & Consulting

SESSION - 3

FREE workshop

with E-certificate

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# CO-CURRICULAR ACTIVITIES Virtual Site Visits



#### \* Virtual Site Visit organized at Royal Exotica site, Pune-48.

**Topic:** site execution of residential and commercial project.

- Date 10/09/2021
- Time 10.00 AM to 12.00 PM
- Medium Microsoft Teams









Industrial Site Visit organized at Nyati Constructions, Pune.





# SOCIAL ACTIVITIES

# **BLOOD DONATION CAMP & WOMENS DAY**





## STUDENTS ACHIVEMENTS

# Civil Toppers List (Winter 2021 Examination)

#### List of Toppers Students from SYCE- A

Sr. No.	Name of the Student	Percentage (%)
1	BOBADE VINAY SUNIL	84.67%
2	NACHAN SOHAM SATISH BHOSALE SURAJ DILIP	78.67%
3	MURGOD MOHAMMAD BILAL MOHAMMAD ILAHI	78.44%

#### List of Toppers Students from SYCE- B

Sr. No.	Name of the Student	Percentage (%)
1	MUJUMALE DEVRAJ VILAS	88.44%
2	SONAWANE VAISHALI DNYANESHWAR	82.33%
3	SHAIKH IRFAN SHAHABUDDIN	82.00%

#### List of Toppers Students from SYCE- C

Sr. No.	Name of the Student	Percentage (%)
1	DHAVAN SAURABH KISHOR	84.00%
2	TANPURE AAKASH RAJENDRA	80.44%
3	PATIL ANIL LAXMAN	79.78%

#### List of Toppers Students from TYCE- A

Sr. No.	Name of the Student	Percentage (%)
1	BAGWAN FAIZ ALI NISAR	88.3
2	GAIKWAD SAKSHI RANGNATH	83
3	THAKKAR JAY HITESH	81.5

## List of Toppers Students from TYCE- B

Sr. No.	Name of the Student	Percentage (%)
1	RANGANATH GOVIND NAGARGOJE	83.3
2	GADE AISHWARYA BHAUSAHEB	81.9
3	JADHAV DNYANESHWAR NARAYAN	81.1

ZEALpoly's Civil-O-Pedia 20-21

# FACULTY 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	Cost Effectiveness of Non- Subsidized Drip over Subsidized Drip Irrigation System	IJARSE Vol 07, Special Issue 03	2018
1	Mr. P. L.	2	Experimental Analysis Of Scour Depth Reduction By Using Geotextile Riprapping Around Bridge Pier	IJCIET Scopus Indexed Vol 9, Issue 7	2018
	Jadhav	3	Partial Replacement of Rice Husk Ash & Waste Tyre Rubber as Cement & Coarse Aggregate in Concrete	IJCRT Vol 06, Issue 02	2018
		4	Experimental study of different method of curing & strength Analysis of concrete cubes	IJERD-2020	2020
		1	A review of ANN in Rainfall- Runoff simulation.	ICSD-2019	
2	Mr. M. V. Khade	2	Impact Analysis of JSA.	Panchatatva-2019	2019
		3	Rainfall- Runoff simulation Using ANN considering Temperature effects.	ICITT-2019	
3	Mr. A. S. Patil	1	Seismic Response of Skew Bridges	IJIIRD Vol. 02 Issue 02	2018

# ZEALpoly's Civil-O-Pedia 20-21

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
- h	Miss R. H. Deshmukh	1	Application of Six Sigma in Real Estate Project Delivery	IRJET Vol. 07, Issue 05	2020
		2	Study of Turbulent Flow Calculations: RANS Equation	IJARESM Vol 10, Issue 03	2022
6 Miss H. S. Shinde	1	Study of Turbulent Flow Calculations: RANS Equation	IJARESM Vol 10, Issue 03	2022	
			Influences of Masonry Infill Wall, Tie Beam and RCC Bracing on Soft Storey Mechanism	IJSER Vol 06, Issue 02	2015
7	Miss P. K. Pawar	1	Lumped Construction Sequence for Column Shortening Analysis in High Rise Building with Outrigger System	RTCET Vol 11, Issue 3	2021
8	Miss Y.M. Rajput	1	Experimental Analysis of Trapezoidal Corrugated Steel Web Beam For Its Stress And Deflection	IJSART Vol 07, Issue 05	2021

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

## **INDUSTRY INSTITUTE INTERACTION(III)**

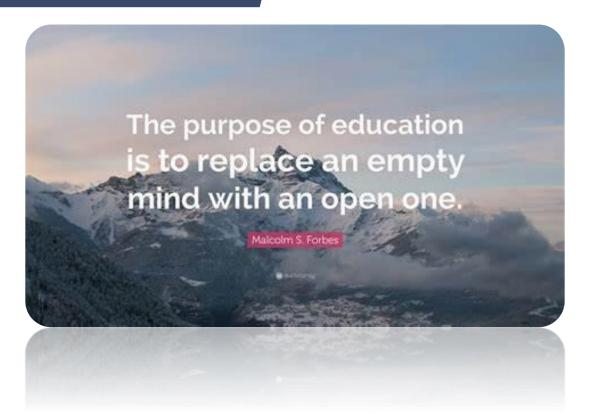
As usual for grooming of students and their projects, department of civil engineering has done memorandum of understanding with different industries for a specific period of time. The concern industries help to students toupgrade knowledge and hands on practice

Name of Company	Type of Company	Contact Person	MOU Period
Software Academy For Civil Engineers ( SACE)	Software Training Institute	Mr. Akash Bagde 9765313932	3 Years
CADD Centre, Narhe, Pune	Software Training Institute	Ms. Rashmi Sharma 72194 76678	3 Years
Shivraj Construction	Construction	Mr. Amoghi Shinde 77739 67745	3 Years
CIVILION CONSTRUCTION & DEVELOPERS	Construction	Mr. Saifan Godikat	3 Years
INSTITUTE OF REAL ESTATE AND FINANCE	Institute	Mr. Suraj Kolage	2 Years

The External Monitoring Committee has remarked as following.

Academic Year	First Shift	Second Shift
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

# ZEALpoly's Civil-O-Pedia 20-21



#### Thanks for your reading, Keep visiting...