



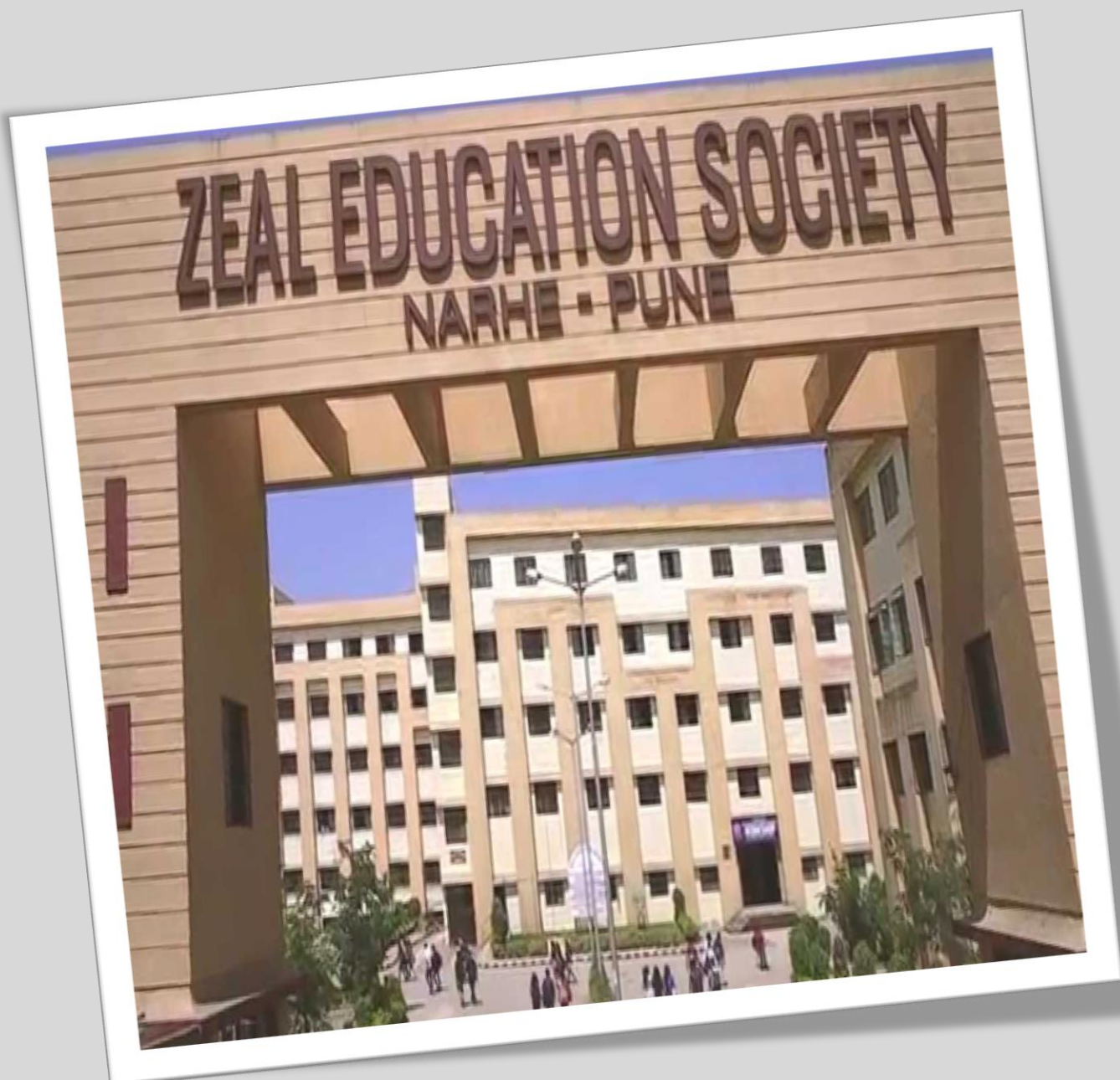
# ZEAL EDUCATION SOCIETY

## CELEBRATING

### 20 YEARS OF EDUCATIONAL EXCELLENCE



Founder. Hon. Mr. S. M. Katkar



Zeal Education Society's  
Zeal Polytechnic, Narhe, Pune

# DEPARTMENT OF CIVIL ENGINEERING



News - Letter

2017-18

## **FOUNDER DIRECTOR'S MESSAGE**

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 news letter 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 very knowledgeable, healthy and prosperous life to all.



**HON. MR. S. M. KATKAR**  
**FOUNDER DIRECTOR,**  
**ZEAL EDUCATION SOCIETY, PUNE.**

## **EXECUTIVE DIRECTOR'S MESSAGE**

I completed diploma in Mechanical engineering and then went to management studies at graduation and post graduation level. The training I received in diploma helped me become more performance oriented. It gave me practical experience of everything at a very tender age.

In zeal polytechnic, we are continually working towards giving practical exposure and first hand training to all students. The work results of our pass out students are fabulous. When they go on job, they feel it easier to cope up with the environment and to them the work looks like a routine life. It eases their efforts and minimizes the gap between academics and industry. Finally it helps the students to achieve their dreams of life more easily.

This news letter covers all the efforts taken by students, staff members and all stake holders of the department. I wish them all the best for the efforts.



**HON. MR. JAYESH S. KATKAR**  
**EXECUTIVE DIRECTOR,**  
**ZEAL EDUCATION SOCIETY, PUNE.**

## **CAMPUS DIRECTOR'S MESSAGE**

On behalf of management, I congratulate civil department on releasing its first issue of newsletter.

Ultramodern laboratories and knowledgeable, versatile and well qualified staff members are the asset of the Zeal Polytechnic. We encourage all staff members to go for research and for higher studies. The results are really excellent. Teachers imbibe the zeal in to the upcoming generations. We also encourage every student to participate in co-curricular and EXTRACURRICULAR activities. Hence our students outshine in all spheres of life. They are researchers, entrepreneurs, managers, technical advisors and so on with excellent outcomes.

I wish this newsletter begins a new era in the progress of the department and it brings an ever growing fame to it. All the best.



**PROF. DR. S.A.DEOKAR**  
**PH.D. (ELECTRICAL ENGINEERING)**  
**CAMPUS DIRECTOR, ZEAL EDUCATION SOCIETY**

## **PRINCIPAL'S MESSAGE**

I am very happy to note that the department of Civil Engineering of Zeal Polytechnic is releasing its first news letter 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 on of them in the department success in all their endeavors.



**PROF. DR. S.V. PATIL**  
**PH.D. (Chemical Engineering)**  
**PRINCIPAL, ZEAL POLYTECHNIC**

## **HEAD OF DEPARTMENT (H.O.D.) MESSAGE -**

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. DNYANESHWAR K. KHOPADE**

**B.E. (CIVIL) MT TECH (HYDRAULICS)**

**H.O.D, DEPARTMENT OF CIVIL ENGINEERING**

**ZEAL POLYTECHNIC, PUNE**

## **DEPARTMENT VISION**

Create Competent Engineers with capabilities of accepting technical challenges for the benefit of the society.



## **DEPARTMENT MISSION**

1. Impart technical education to the students. (Technical competency)
2. Develop the students to acquire technical and entrepreneurial skills. (Skill Development)
3. Inculcate professional ethics and social responsibilities among the students. (Ethics and Responsibilities)



## LIST OF FACULTY MEMBERS

### FIRST SHIFT

SR NO	NAME OF STAFF	DESIGNATION	QUALIFICATION
1	Prof. Khopade Dnyaneshwar Krishna	HOD	M.TECH ( HYD )
2	Prof. Jawalkar Mohan Vitthal	Lecturer	B.E. (CIVIL)
3	Prof. Khade Mahesh Vitthal	Lecturer	B.Tech (CIVIL)
4	Prof. Deshpande Mrunmayee Nikhil	Lecturer	M.E. ( STRUCTURES )
5	Prof. Shelke Rohan Ramdas	Lecturer	M.E. ( CM )
6	Prof. Bachhav Yogendra Vijay	Lecturer	M.E.( BST)
7	Prof. Bansode Asmita Madhukar	Lecturer	M.E. ( CM )
8	Prof. Ajure Umesh Appasaheb	Lecturer	B.E. (CIVIL)
9	Prof. Swati Sham Bhokare	Lecturer	B.E. (CIVIL)
10	Prof. Manoj D. Thorat	Lecturer	M.E. ( STRUCTURES )

### SECOND SHIFT

SR NO	NAME OF STAFF	DESIGNATION	QUALIFICATION
1	Prof.Shinde Kranti Kalidas	HOD	M.E. ( CM )
2	Prof.Jadhav Rushikesh Dattatraya	Lecturer	Ph.D Pursuing
3	Prof.Borgave Manali Deepak	Lecturer	M.E. ( STRUCTURES )
4	Prof. Nikitha Shahaji Patil	Lecturer	B.E. (CIVIL)

## CURRICULAR ACTIVITIES

As a part of curriculum, Department periodically organizes a technical field visits to reputed industries and firms to enhance the practical knowledge of students.



**Field Visit at Foundation under construction**

Under the head of Professional Practice students were visited a **Ready Mix Concrete Plant** situated at Manjari, Hadapsar, Pune. The visit was organizes under guidance of **Prof. Ms. K.K. Shinde, Prof. Mr. R.R. Shelke & Prof. Mr. Y.V. Bachhav.**

Under the head of Professional Practice students were visited a **foundation under construction** of residential building situated at Dhayri, Vadgaon, Pune. The visit was organizes under guidance of **Prof. Mr. R.R. Shelke & Prof. Mr. Y.V. Bachhav.**



**Field Visit at Ready Mix Concrete Plant**



**Field Visit at Water Treatment Plant**

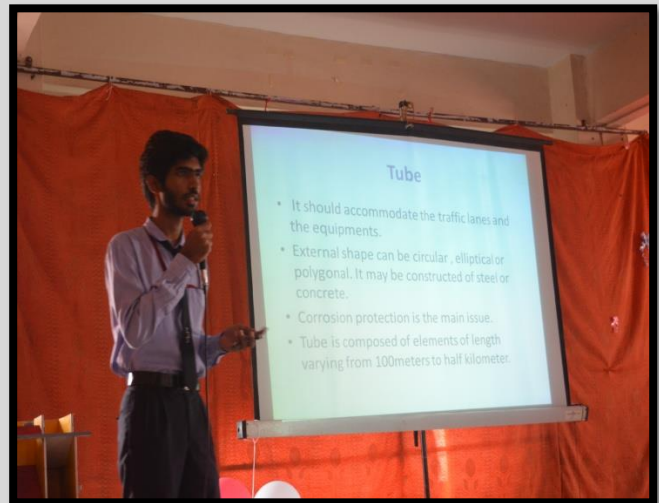
Students were visited **Water Treatment Plant** a situated at Parvati, Pune. The visit was organizes under guidance of **Prof. Mr. M.V. Jawalkar, Prof.Mrs. M. N. Deshpande, Prof. Mr. U.A. Ajure.**

## CO-CURRICULAR ACTIVITIES

### • ORGANIZATION OF TECHNICAL EVENT -

For grooming of students and to provide a good platform for presenting their technical knowledge Zeal Polytechnic was organized state level “**Zeal confluence 2017 & Techno Quiz 2017**” Competition on 26<sup>th</sup> & 27<sup>th</sup> Sep 2017. The event was organized for third year students from Polytechnics affiliated to MSBTE.

Zeal confluence was held on 26<sup>th</sup> Sep with two judges. One was **Mr. Amol Degaonkar** has 14 years of experience currently working as Quality Control Engineer at Shapoorji Palonji Pvt. Ltd. Second was **Prof. Vishal Sabale** has 5 Years of experience currently working as professor at Bharati vidyapeeth College of Engineering.



Photos for Paper session

At the next day i.e. 27<sup>th</sup> Sep. **Techno- Quiz** was organized by department of Civil Engineering. There was two rounds are framed for the event.



**Photos for Quiz Session**

After judging all the participant according to our Hon. Judges result was declared on the same date in Prize Distribution ceremony.



**Prize Distribution**

**Zeal confluence 2017 Results**

Name of participants	Name of college	Merit
<b>Yash Bhairavnath Pawar</b>	Zeal Polytechnic	Winner
<b>Vivek Ashok Shukla</b>	Zeal Polytechnic	Winner
<b>Mayuresh Nimbalkar</b>	Zeal Polytechnic	Runner Up
<b>Sanket Chavan</b>	Zeal Polytechnic	Runner Up

**Techno Quiz 2017 Results**

Name of participants	Name of college	Merit
<b>Ajit Mandagar</b>	Abhinav Polytechnic	Winner
<b>Mayur Gaikwad</b>	Abhinav Polytechnic	Winner
<b>Mayuresh Bhurat</b>	Zeal Polytechnic	Runner Up
<b>Yash Pawar</b>	Zeal Polytechnic	Runner Up

As part of syllabus in **Behavioral Science** students has made towers from Ice cream sticks considering all structural aspects. This activity was supported during practical hours in college only. Students made this under guidance of **Prof. Mrs. M.D. Borgave & Prof. Mrs. N.S. Patil.**



**Third Year Students with their models.**

On the occasion of **Engineers Day 15 Sep 2017** Zeal Polytechnic Organized program in the memory of Sir Mokshgundum Vishveshwarya. On that same day Civil Department has conducted an **Innovative Model Exhibition – 2017** to promote the students and provide them a good platform for their talent. The event was co-ordinated by **Prof. Mr. Y. V. Bachhav.**



**Ferro cement**



**Rubber Dam**



As we know the shortage of electricity is a challenging problem in today's life. Student from second Year Civil **Vaibhav Patil** is doing research project on “**Regeneration of energy from fan rotation.**” He made a mechanism which can be fitted to any rod of fan that has rotating wheel create magnetic effect and thus electricity. The project was guided by **Prof. Mr. Y. V. Bachhav**



## EXTRA CURRICULAR ACTIVITIES

On the occasion of event “Avgha Footballmay Maharashtra” the students from department was participated in the same event. The event was co-ordinated by **Prof. Mr. R.D. Jadhav.**



## STUDENTS ACHIEVEMENT

### Results of Third Year Civil Department

#### LIST OF TOPPERS

NAME OF STUDENT	PERCENTAGE	YEAR
Pasalkar Kunal Prabhakar	89.52	2017
Thorat Akash Shridhar	89.52	2017
Bhansali Ketan Pravin	83.45	2016

- Students from Third Year Civil Department were participated in MSBTE organized Paper presentation competition held at All India Shree Shivaji Memorial Society's (AISSMS) Polytechnic, Pune

Sr. No.	Name of Student	Paper Topic
01	Yash Pawar	Intelligent Transportation System
02	Vivek Shukla	Intelligent Transportation System
03	Akanksha Vibhute	Thirsty Concrete
04	Aditi Shinde	Thirsty Concrete

- Students from Third Year Civil Department got **First & Second Rank** Paper presentation competition held at Zeal Polytechnic, Pune.

Sr. No.	Name of Student	Paper Topic
01	Yash Pawar	Intelligent Transportation System
02	Vivek Shukla	Intelligent Transportation System
03	Mayuresh Nimbalkar	Smart Plumbing System
04	Sanket Chavan	Smart Plumbing System



## STAFF ACHIEVEMENT

- The staff of Civil Department always trying to update themselves as per curriculum requirement. Under this Work shop and training regularly conducted and attended for the same

The following staff members has successfully completed training program.

Name Of Staff	Training	Location
Prof. Mrs. M. N. Deshpande	Structure	ZCOER,Pune
Prof. Mrs. M. D. Borgave	Structure	ZCOER,Pune
Prof. Mr. P. B. Katke	Structure	ZCOER,Pune
Prof. Mr. U.A. Ajure	Geotechnical Workshop	PCCOE, Pune
Prof. Mr. Y. V. Bachhav	Geotechnical Workshop	PCCOE, Pune
Prof. Mr. R.D. Jadhav	Geotechnical Workshop	PCCOE, Pune
Prof. Mr. D. K. Khopade	Induction Program	Zeal Polytechnic
Prof. Mrs. A. M. Bansode	Induction Program	Zeal Polytechnic

- Some faculties from Civil Department have successfully completed their masters in relevant trade.

Name Of Staff	Awarded Degree	Trade
Prof. Mrs. M. N. Deshpande	Master of Engineering	Structures
Prof. Mrs. M. D. Borgave	Master of Engineering	Structures
Prof. Mr. R.D. Jadhav	Master of Engineering Appeared PhD	Concrete Technology
Prof. Mr. M. D. Thorat	Master of Engineering	Structures

- Department has been awarded following remarks by MSBTE External Academic Monitoring Committee.

Academic Year	First Shift	Second Shift
2016-17	Good	Good
2015-16	Excellent	Good
2014-15	Excellent	Very Good