

Zeal Polytechnic, Narhe, Pune- 41.  
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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*

<b>Sr.No</b>	<b>Name of member</b>	<b>Designation</b>
1	Prof. P.S.Patil	Chief Editor
2	Prof. P.T.Patil	Editor
3	Prof. V.A.Kadam	Member
4	Mr. Alkunte Sanskar Manoj	Member
5	Miss. Katke Bhakti Santosh	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 become a premier institute in technical education by imparting vibrant knowledge and skill based quality education with ethical values to cater the industrial and societal needs”



### **Vision**

“To become a premier institute in technical education by imparting vibrant knowledge and skill based quality education with ethical values to cater the industrial and societal needs.”



### **Mission**

- To provide comprehensive technical education through academic excellence.
- To give industrial exposure to the students by industry- institute interaction.
- To inculcate Technical competence, spirit of enquiry, teamwork and entrepreneurship
- To enhance ethical, societal, industrial concerns and lifelong learning skills

## **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 develop Civil Engineers of high competence, technical skills and moral values by imparting vibrant knowledge and skill based quality education to meet industrial and societal needs.”

### **Mission**

- To impart skill based technical education and competencies with professional ethics through quality education and industry institute interaction to deal with industrial and societal needs.
- To equip individuals for diverse socio industrial opportunities by offering hands-on trainings, add-on courses and continual learning fostering lifelong skill development
- To empower students as an individual and collaborative team member to cultivate proficiency in problem solving, communication skill and spirit of entrepreneurship.



## FACULTY PROFILE

### Department of Civil Engineering



<b>Name</b>	Prof. Prashant L.Jadhav
<b>Qualification</b>	B.E. Civil, M. Tech. (Hydraulics)
<b>Designation</b>	Head Of Department
<b>Experience</b>	Teaching:- 13 Years
<b>Area of Interest</b>	HYD, IEN, BCO, BDR, CTE, MAN, SOM, TEN, HEN, WRE
<b>Email ID</b>	<a href="mailto:prashant.jadhav@zealeducation.com">prashant.jadhav@zealeducation.com</a>



<b>Name</b>	Prof. Mahesh V.Khade
<b>Qualification</b>	B.Tech. (Civil), M.E. (Hydraulics Engineering)
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching:- 13 Years Industrial:- 2 Years
<b>Area of Interest</b>	MOS, TRE, PHE, SWM
<b>Email ID</b>	<a href="mailto:mahesh.khade@zealeducation.com">mahesh.khade@zealeducation.com</a>



<b>Name</b>	Prof. Prataprao T.Patil
<b>Qualification</b>	B.E. Civil, M.E. Environmental (Pursuing)
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching : 12 Years
<b>Area of Interest</b>	TOS, MOS, EGM, ASU, PHE, SWM
<b>Email ID</b>	<a href="mailto:prataprao.patil@zealeducation.com">prataprao.patil@zealeducation.com</a>



<b>Name</b>	Prof. Harsha S. Shinde
<b>Qualification</b>	M.E. (Structure), B.E. Civil
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching: 9 Years, Industry: 0.6 Year
<b>Area of Interest</b>	WRE, BCO, CTE, HEN, RBE, GTE, MRS
<b>Email ID</b>	<a href="mailto:Harsha.shinde@zealeducation.com">Harsha.shinde@zealeducation.com</a>



<b>Name</b>	Prof. Vrushabh Ashok Kadam
<b>Qualification</b>	B.E. Civil
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching:- 2.5 Years
<b>Area of Interest</b>	MRS, MOS, SWM, RBE
<b>Email ID</b>	<a href="mailto:vrushabh.kadam@zealeducation.com">vrushabh.kadam@zealeducation.com</a>



<b>Name</b>	Prof. Shubham Shivaji Kadam
<b>Qualification</b>	B.E.Civil
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching:-2.5 Years
<b>Area of Interest</b>	MOS, TOS, ASU
<b>Email ID</b>	<a href="mailto:shubham.kadam@zealeducation.com">shubham.kadam@zealeducation.com</a>





<b>Name</b>	Prof. Patil Pranali Sanjay
<b>Qualification</b>	BE (Civil), ME(Construction Management)
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching:- 2.5 Year
<b>Area of Interest</b>	AME, SOM, TOS, DSR
<b>Email ID</b>	<a href="mailto:pranali.patil@zealeducation.com">pranali.patil@zealeducation.com</a>



<b>Name</b>	Prof. Jagdip Tanaji Patil
<b>Qualification</b>	Btech civil
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching:-2.5 Year Industrial:- 3 Years
<b>Area of Interest</b>	HYD, BDR, CTE, SOM, WRE
<b>Email ID</b>	<a href="mailto:jagdip.patil@zealeducation.com">jagdip.patil@zealeducation.com</a>



<b>Name</b>	Prof. Govind.R.Chilla
<b>Qualification</b>	BE CIVIL
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching:- 7 Years Industrial 1 year
<b>Area of Interest</b>	CEW, CMA,CMN
<b>Email ID</b>	<a href="mailto:govind.chilla@zealeducation.com">govind.chilla@zealeducation.com</a>



<b>Name</b>	Prof. Yogita.S.Kadam
<b>Qualification</b>	ME Structures
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching:- 5 Years
<b>Area of Interest</b>	BSU, MAN,MOS,TOS
<b>Email ID</b>	<a href="mailto:Yogita.kadam@zealeducation.com">Yogita.kadam@zealeducation.com</a>



<b>Name</b>	Prof. Neha.S.Pawar
<b>Qualification</b>	ME(Structure)
<b>Designation</b>	Lecturer
<b>Experience</b>	Teaching:- 3 Years
<b>Area of Interest</b>	MOS,TOS,GTE,CEW
<b>Email ID</b>	<a href="mailto:Neha.pawar@zealeducation.com">Neha.pawar@zealeducation.com</a>



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

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

- ❖ Expert Lecture on “Structural Riveting in Architecture”





The poster features the following text and graphics:

- Expert's Talk** A webinar Series
- ZEAL INSTITUTES** ESTD-1996 www.zealeducation.com NARHE | PUNE | INDIA
- 25** (Anniversary logo)
- ZEAL POLYTECHNIC, PUNE** Department of Civil Engineering
- DR. ASHOK MORE** HOD, Civil Engineering, D.Y Patil College of Engineering Akurdi, Pune
- "SOLID WASTE AND LIQUID WASTE MANAGEMENT"**
- 17/01/2024** 1.00 pm to 3.00 pm
- Civil Engineering Department (E4-10)**
- Follow us at : zealinstitutes (social media icons)



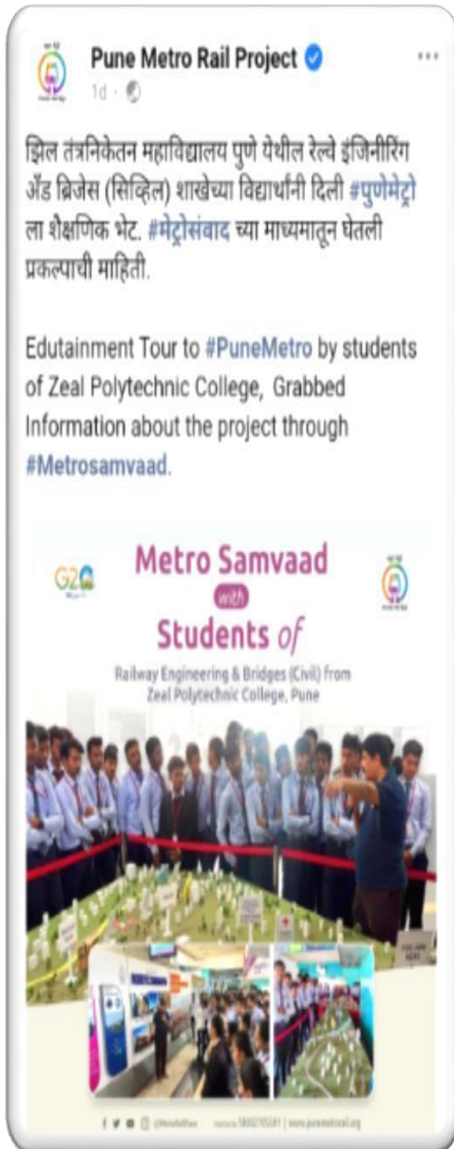
**Expert Lecture On Solid Waste And Liquid Waste management**





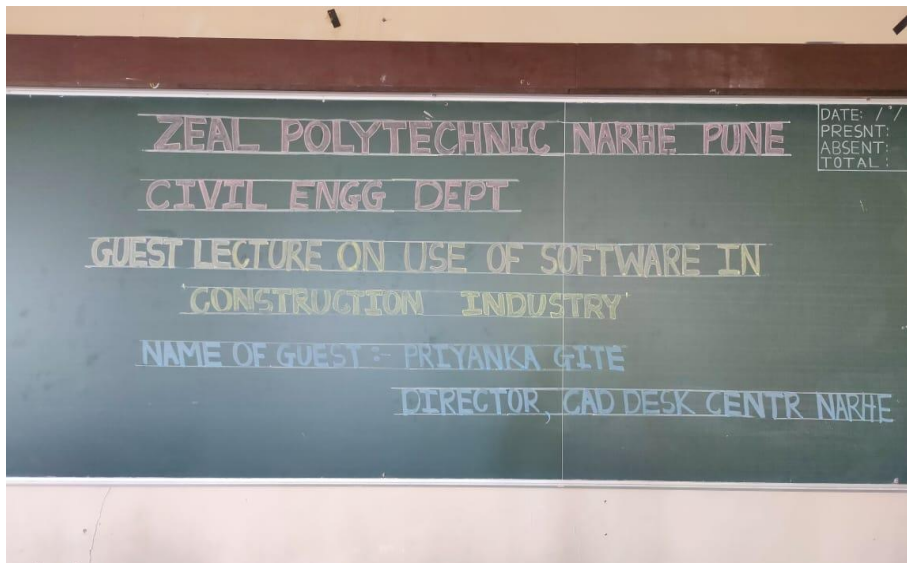
**Expert Lecture On Solid Waste And Liquid Waste management**

**Site Visit at MAHA-METRO Pune**



**MAHA-METRO PUNE**





**Expert Lecture On Use of software in construction Industry**

 **ZEAL POLYTECHNIC, PUNE**  
Department of Civil Engineering

**One Day Workshop For Third Year Diploma Students On  
SOFT SKILLS & PERSONALITY DEVELOPMENT**



**COL UDAY JAGAVKAR**  
M.SC, MBA, NEBOSH (UK)  
Soft Skills Trainer & Career Counsellor



**MR. B. L. JOSHI**  
Image & Life Skill, Soft Skills Trainer,  
Facilitator, Motivational Speaker.

 10/02/2024  
9.00am to 04.00pm |  E4-10,  
Zeal Polytechnic | For further details contact :  
9175402578



**One Day Workshop on Soft Skill and Personality Development**



## EXTRA-CURRICULAR ACTIVITIES UDAAN & RANAANGAN

**ZEAL POLYTECHNIC, PUNE**  
*Annual Gathering*

**Udaan**  
*Fest 2K24*

DANCE | MUSIC | FASHION SHOW | DJ NIGHT | AND MUCH MORE FUN

Registration Date:- 5th March 2024  
Audition Date:- 5th & 6th March 2024

Venue :  
ZES Narhe Campus, Narhe, Pune - 411041

Registration QR Code

Celebrating on  
**09**  
MARCH 2024

Time : 4 pm onwards

**ZEAL POLYTECHNIC, PUNE**

**RANAANGAN**  
2024

**SPORTS TOURNAMENT**  
Date : 6th to 9th March 2024

**INDOOR GAMES**

<b>CHESS</b> Prof. Pritam Dhavan 9673002941	<b>CARROM</b> Prof. Govind Chilla 8444494007	<b>BADMINTON</b> Prof. Savita Biradar 7020158281
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**OUTDOOR GAMES**

<b>CRICKET (B)</b> Prof. Prashant Jadhav 8669900049	<b>BASKETBALL</b> Prof. Neha Jashi 8484875446	<b>FOOTBALL (B)</b> Prof. Sachin Mahajan 838834279	<b>VOLLEYBALL</b> Prof. Vrushabh Kadam 9309971441	<b>KABADDI</b> Prof. Prashant Mahale 9075019912
<b>BOX CRICKET (G)</b> Prof. Manisha Sarode 9423590347	<b>ATHLETICS</b> Prof. Mohammad Amin 8975155638	<b>KHO-KHO</b> Prof. Prataprae Patil 9158833407	<b>TUG OF WAR</b> Prof. Jagdip Patil 9175402578	<b>THROW BALL(G)</b> Prof. Ashwini Bhosale 9975271483

**Event Time : Wednesday to Friday (07.30 a.m. to 07.00 p.m.)**

<b>Mr. Omkar Jadhav</b> Physical Director	<b>Mr. Sunil Chavan</b> Kabaddi Coach	<b>Mr. Siddhant Chavan</b> Football Coach	<b>Mr. Ketan Shinde</b> Volleyball Coach
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The poster features a hand watering a small green plant. At the top, it displays the Zeal Institutes logo (ESTD-1992), a 25th anniversary badge, and the Green Club logo. The text reads: **ZEAL POLYTECHNIC, PUNE**, organised by **GREEN CLUB**, DEPARTMENT OF CIVIL ENGINEERING. The main title in Hindi is **वृक्षारोपण** (Tree Plantation). A quote says, "DON'T JUST THINK GREEN, LIVE GREEN." The date and location are listed as 11/02/2024, SUNDAY at SWAMINARAYAN HILL POINT.







**STUDENTS ACHIVEMENTS**  
**Civil Toppers List (Winter 2023)**

❖ **List of Toppers Students from SYCE- A**

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Percentage (%)</b>
1	SAKPAL PRANAV PRAMOD	94.67
2	NALAWADE SAMEER PANDURANG	93.78
3	GUPTA ANJALI RAJESH	90.44

❖ **List of Toppers Students from SYCE- B**

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Percentage (%)</b>
1	WALAKE SONALI HARIDAS	90.22
2	KARDE KIRAN NETAJI	86.11
3	SANGALE AVDHUT NARAYAN	85.89



❖ **List of Toppers Students from TYCE**

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Percentage (%)</b>
<b>1</b>	RATHOD SANTOSH SHANKRAPPA	96.80
<b>2</b>	KADAM ATHARVA AMBADAS	94.50
<b>3</b>	SABLE PRANAY SATISH	93.30

## **STAFF ACHIEVEMENTS**

❖ 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	
3	Mr. P.T Patil	1	Stabilization Tank with Respect to Detention Time for Grey Water Treatment	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 11 Issue V	2023
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
		3	Economical Curing Method by Curing Pad for Beam	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 11 Issue V	2023

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
		4	Eco House system	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653, Volume 11 Issue V	2023
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 Issue 6	2021
9	Prof. Mohmmad Khan	1	“An Experimental Investigation On Strength 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

		2	The behaviour of Concrete by Partial Replacement of Fine Aggregate with Recycled Plastic Granules	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 11	2023
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The staff of Civil Department always trying to update themselves as per curriculum requirement.

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

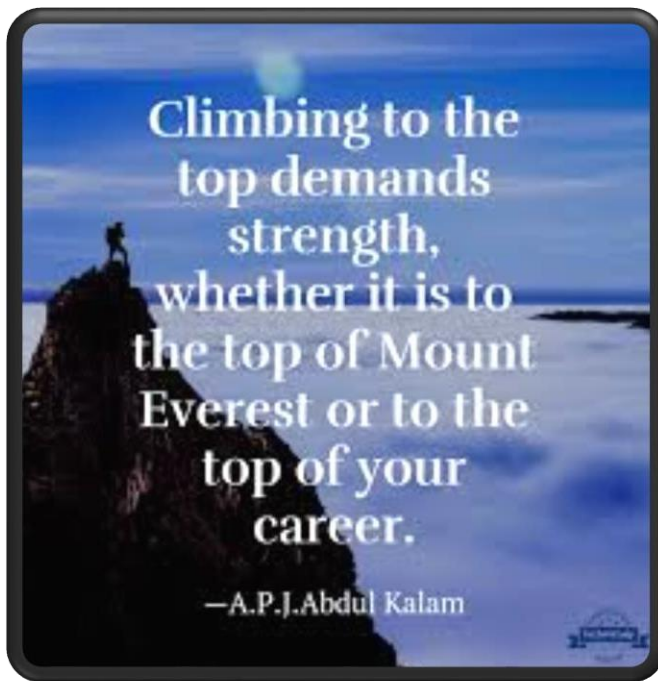
- ❖ As usual for grooming of students and their projects, department of civil engineering has done memorandum of understanding with different industries for a specific period of time. The concern industries help to students to upgrade knowledge and hands on practice

<b>Name of Company</b>	<b>Type of Company</b>	<b>Contact Person</b>	<b>MOU Period</b>
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
2022-23	Very Good	Very Good
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...