

NEWSLETTER DEPARTMENT OF CIVIL ENGINEERING



Zeal Education Society's
Zeal College of Engineering and Research, Pune
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INTRODUCTION

In the Department of Civil Engineering of ZCOER, we believe in sustainable excellence keeping in mind our vision and mission. The Department is making its best efforts to explore the latent potential of the students and faculty members in order to be of best use to society at large. All our stakeholders – students, technicians, faculty, parents, alumni and most importantly the people of India having a large role to play in achieving our noble objective!

PRINCIPAL DESK

I have pleasure to see good developments in the Department of Civil Engineering during recent months and happy to note that the Department is releasing this issue of Newsletter which enumerating the various activities and achievements of their faculty as well as students. It is clear that the department is striving hard to make a mark in this Institution by way of its academic and overall growth. I congratulate all the students who have put their mite in bringing forth this edition consolidating the semester report of their department. I also congratulate all the faculty members and the HOD for motivating their students towards this fulfilment. Wishing you all every success and bright future !!

Dr. Ajit Kate
Principal (ZCOER)

HOD DESK

Greetings to Dear Students, Faculty and Friends!

I am pleased to release this issue of departmental newsletter for the readers. First and foremost, I am happy for my students for their participation in various curricular, co-curricular, extra-curricular as well as social activities. I feel proud for them. The prime resolution of this newsletter is to cluster all the notions and various activities under one roof and achieve awareness among all concerning key events in the department. I sincerely thanks to ZES authorities for their motivation. Many thanks to our Principal, ZCOER for their unconditional support. I wish my students to succeed with flying colors and serve society and nation in a broad way.

Dr. G. S. Anaokar
Head of Department(CIVIL)



ABOUT DEPARTMENT

VISION

To contribute in the field of Civil Engineering accentuating value added advanced technical knowledge, promoting research and prescient towards entrepreneurial skills.

MISSION

M1: To strengthen academics with holistic teaching and learning practices.

M2: To inculcate a research approach pertaining to civil engineering domain.

M3: To foster students for the development of entrepreneurial skills.

M4: To inculcate the sense of ethics, morality and professionalism.



FACULTY ACHIEVEMENTS

Prof. G. S. Anaokar; Awarded PhD – Civil Engineering degree from SV NIT Surat

Prof. S. M. Mali; Awarded as Outstanding Researcher by IBAE Awards

Prof. A. S. Ingle; Qualified for PhD Entrance Exam of COEP

Prof. S. D. Redekar; Qualified in PhD Entrance Test of SPPU

Prof. S. M. Mali; Qualified in PhD Entrance Test of SPPU



IIRS

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organization, Department of Space, Govt. of India is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geoinformatics and GPS Technology for Natural Resources, Environmental and Disaster Management.

The department of Civil Engineering of ZCOER has received the authorization as a Network institute of IIRS outreach network. 8 College Students have been enrolled in these program.



GUEST LECTURES

1. Mr. Sunil Bhavar - ESRI - **Basic Application of GIS in Civil Engineering**
2. Mr. N. N. Deo Expert - **Engineering Geology Importance of Engineering Geology in Civil engineering**
3. Dr. Ajit Patil - Rukade Structures - **Pune-Structural Audit**
4. Mr. Omkar Shendure - Executive Engineer, WRD - **MS Competitive Examination: MPSC**
5. Mr. Rajashree Banerjee - Managing Director, Jamboree - **Study Abroad for Civil Engineering**
6. Dr. N. J. Sathe - Sr. Geological Consultant - **Basic Concepts of Engineering Geology**
7. Dr. Sanjay Burele - Scientist – F; CWPRS - **Application of HEC RAS**
8. Mr. R. P. Kulkarni - GIS Expert; Symbiosis Institutes - **The Application of GIS For Water Resource Management: An Open Source Approach**
9. Mr. Bhaskar R. Nikam - Scientist – E, IIRS- ISRO Deharadun - **Watershed Management Using Remote Sensing and GIS**

ALUMINI INTERACTIONS

1. Neha Burule - **Higher Studies: Need & Benefits for Civil Engineers**
2. Payal Bedmutha - **Abroad Education: A vital Prost graduation scope**
3. Shubham Angre - **Software industry: an emerging opportunity for civil engineers**
4. Vishal Kale - **Consultancy Opportunities in Civil Engineers**
5. Vishal wagh - **Real Estate Industry for civil engineers.**
6. Saurabh Pansare - **Construction Industry for civil engineers**



**Mr. Bhaskar R. Nikam -
Scientist**



**Mr. Omkar Shendure -
Executive Engineer**



**Dr. N. J. Sathe -
Sr. Geological Consultant**



Neha Burule



Vishal Wagh

EVENTS ORGANIZED

Rutuja Nakil (B.E. Civil)

The Civil Engineering Department of Zeal College of Engineering and Research, organized a one day educational visit to "Dr. Naidu Sewage Treatment Plant, Pune" on "22nd November 2021". The Site visit was organized under the guidance of Prof. Sailee Redekar Ma'am and Prof. Chandrashekhar Parab Sir, as a part of subject Environment Engineering - II for B.E. Civil Engineering students. Students got a supreme practical knowledge of how waste water treatment plant work, since each and every unit of that plant was shown and explain clearly.

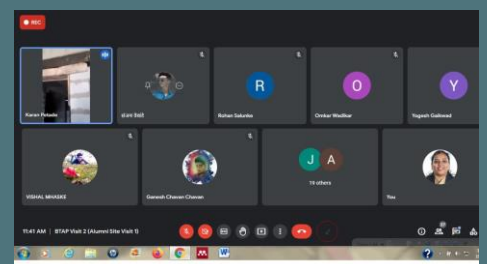
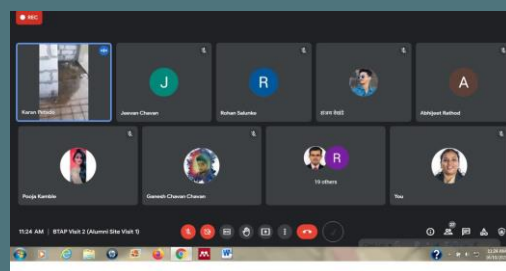


Kaushal Vatari (T.E. Civil)

Civil Engineering Dept. of Zeal College of Engineering organized by visit to " Diligent Engineering Bhosale Industrial Estate " and Nakoda Industrial Estate " as a part of design of steel structure studies. Thirty T.E. Civil Engineering Students joined the visit under guidance Prof. A.V. Wakchaure Sir . Students got an excellent benefit by visiting the biggest industrial estate in Narhe and understand about the design of gantry girder and purlin.

Abhinay Shilimkar (S.E. Civil)

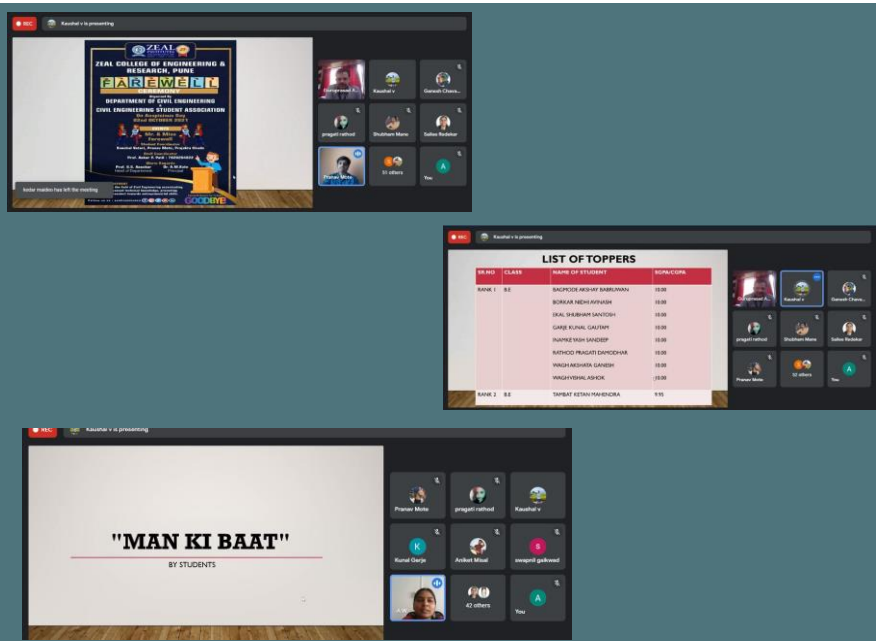
Civil engineering department organised Alumni site visit for Second year students, The site visit has been held under the guidance of Prof, Sailee Redekar Mam through online platform. The topic of site visit was Demolition and Remoulding .In this session we were introduced to many new concept regarding remoulding by the Alumni speaker that is Mr. Mayuresh Tamhankar. He glance us through which building byelaws should taken into consideration while remoulding structure or building then which sizes of columns should be taken and also the bar sizes accordingly. What should be done with parapet wall and waterproofing material, etc.



EVENTS ORGANIZED

TEACHERS DAY

On teacher's day the students from the department arranged a beautiful session with orphan and outstream children. General awareness session was along with some fun and games with the children.

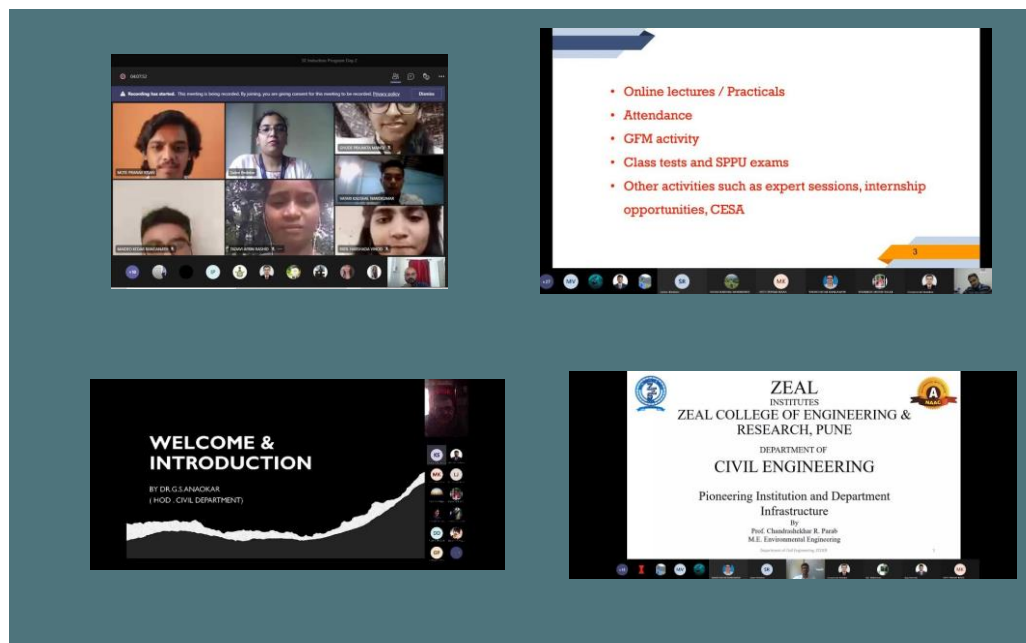


FAREWELL

A farewell was organized for the final year students of batch 2020-21. It was an emotional moment as they had to part ways with the department. The event consisted of games, quiz and heart warming messages from the students as well as college faculty.

SE AND DSE INDUCTION

Freshers from First year and diploma were warmly welcomed by the seniors of the department. Various competitions such as quiz round, essay writing, Mr and Ms Civil, etc. All the students enjoyed the event even though it was conducted with online mode.



SAVITRIBAI PHULE PUNE UNIVERSITY EXAM TOPPERS



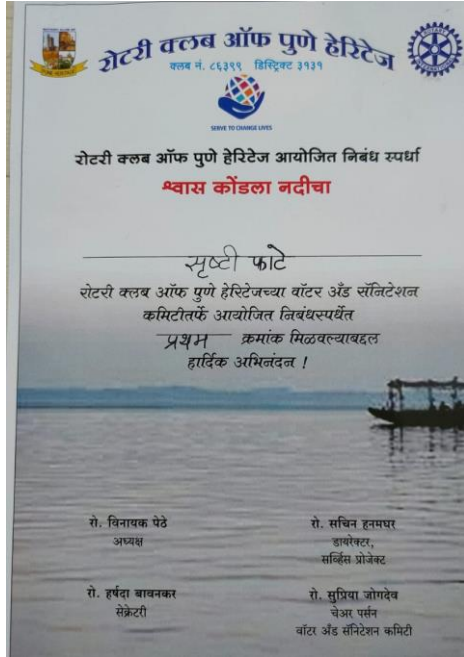
Mr. Vedant Kukade
S.E. May 2020
RANK-8th (SGPA 9.66)



Ms. Rutuja Nakil
S.E. May 2020
RANK-8th (SGPA 9.66)



Mr. Vishal Wagh
T.E. May 2020
RANK-8th (SGPA 9.6)



The remediation of contaminated river water is a burning issue in many developing countries due to the high level of pollution. In addition, the remediation of secondary tributaries is also important for maintaining the higher water quality of channels and streams in rural areas. Polluted river water can be remediated by either in-situ water treatment or pollution control at the source point. Different methods that can be applied for remediation of polluted river water are categorised into physical, chemical, biological, ecological and engineering techniques, but a single method is not sometimes effective for the purification of heavily contaminated river water. Therefore, hybrid techniques, which combine two or more single methods, are more widely recommended for their efficient treatment.

ARTICLE BY
Ms. SRUSHTI PHATE
(B.E. Civil)

Khudke Zakhmo Pe Hasna Bhi Ata Hai, Humai Khudse Chupkar Jeena Bhi Ata Hai,
Marham Na Laga De Koi Un Zakhmope, Kuch Aise Duniya Se Juda Hona Bhi Ata Hai

Kisi Manzil Ko Pana Bhi Ata Hai, Aur Manzil Ko Pakar Khona Bhi Ata Hai,
Kuch Aisa Hia Humare Gurorr Ka Manzar, Kainath Jeetkar Use Harna Bhi Ata Hai

Aasu Jo Aaye Use Pirona Bhi Ata Hai, Humai Gum Mai Muskurana Bhi Ata Hai,
Koi Jaan Na Le Humari Khamoshi Ka Matlab, Begani Khushi Mai Kuch Aise Apnana Bhi
Ata Hai

Gehre Zakhm Chupana Bhi Ata Hai, Humai Dard Mai Muskurana Bhi Ata Hai,
Dilasa Na De Koi Humai, Kuch Aise Khudse Juda Hona Bhi Ata Hai

POEM BY,
Mr. Ankit Parmar
(S.E. Civil)

STUDENT SECTION

* विश्वरहस्य.. *

इथं मी माझ्या घरात, माझ्या खोलीत,
पंख्याखाली, विचारांनी हैराण की साला हे चाललय
काय ?

इथे मी कोण ? आणि माझं काय ? मी असले
विश्वरहस्याचे प्रश्न डोक्यात चघळत बसलेला,
तिकडे कुणी बसला असेल पण फुटपाथवर,
अंगाला वास येत असेल, रंग काळाकुट्ट असेल,
केस अस्ताव्यस्त असतील, कपडे मळकट असतील,
एखाद्या कुत्र्याला कुणीतरी टाकलेल्या
बिस्कीटांकडे पाहून त्यांच्या अंगांगातला एक
खोल खोल खड्डा त्यातून वरपासून खालपर्यंत
सर सर सर सर एक वणवा नसेल का पेटत ?
मग त्याच्या पोटात आग असताना इथे देकरा देत
मला स्वतःच्या असण्या वा नसण्याविषयी
या विश्वाला फिरतं ठेवणाऱ्या त्या अज्ञात आणि अजब
शक्तीपाशी सवाल करण्याचा नक्की कसला
आणि कुठे अधिकार आहे ?

का ? त्याला नसेल पडत हा प्रश्न ? की माझ्या
पोटातल्या आगीला नसलेला तो कुणी वाली
ह्या उंचीवर राहणाऱ्या ढेरपोट्यांच्या ढेऱ्यांना तीच आग
का लावत नाही ?

ही आग अशी माझ्या पोटासकट डोकंही जाळून
काढणारी, ह्यांची डोकी अशी थंड का ?
त्याच्या खोलवट डोळ्यांतून किती प्रश्न त्याच्या
देहाचा डोह थरथरवत असतील, का तो त्या बिस्कीटं
चघळणाऱ्या कुत्र्याकडे असा बघत असेल ?
ते जे विश्वरहस्य विश्वरहस्य म्हणतात, ते हेच आहे
का ?

- KEDAR MAIDEO
(T.E. Civil)

Statue of Unity: Salient features of the world's 'Tallest Statue'

Prime Minister Narendra Modii unveiled the 'Statue of Unity' in Keva-Diya town in Narmada district of Gujarat on the birth anniversary of Sardar Vallabhbhai Patel. This project was first announced on 10 October 2010 by the then Gujarat government by a special purpose vehicle-Sardar Vallabhbhai Patel Rastriya Ekta Trust (SVPRET). The iron needed for the statue and other structures was collected from farmers of villages all around India in a form of donation of their used farming instruments.

Features of 'Statue of Unity':

Height- 182 meters, this makes the statue almost twice the height of the iconic Statue of Liberty in New York.

Location- around 3.5 km downstream from Sardar Sarovar dam, on an islet Sadhu Bet on the bed of River Narmada.

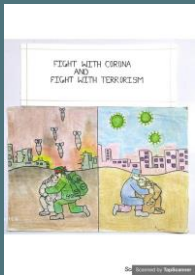
Cost- Rs. 2989 crore. Sculptor- Padmamma Bhushan Ram V. Suthar, a 93-year-old acclaimed sculptor.

Construction period- 34 months' work began on December 19, 2015.

Materials consumed- 70,000 tons of cement, 18,500 tons of reinforcement steel, 6,000 tons of structural steel and 1700 tons of bronze which was used as outer cladding of the structure.

Specialties: The statue is slender most at the base, which goes against the norms of what other tall statues have followed. The walking poses also opened up a gap of 6.4 meters between the two feet which then had to tested to withstand wind velocity.

ARTICLE BY
KAUSHAL VATARI (T.E. Civil)



1st Prize Certificate PRANAY BHAREKAR
(S.E. Civil)

Painted by
Venkatesh Puliraj (B.E. Civil)



PLACEMENTS



Mr. Sahil Karkande
TNJ Construction Pvt. Ltd.



Ms. Akshata Wagh
Green Water Revolution
Pvt. Ltd.



Ms. Ketaki Ingole
Placed in Capgemini

Sr. No.	Name	Batch	Recruiter	Package
1.	Krishna Mandlik	2020	A. B. Kumar Consulting Engineers LLP	2.4
2.	Tushar Kewde	2020	A.B. Kumar Consulting Engineers LLP	2.4
3.	Krushna Gade	2020	Amit Bloomfield	2.4
4.	Shweta Khandagale	2020	Gallop Infra Services	1.8
5.	Akshata Wagh	2021	Green Water Revolution Pvt. Ltd.	2.4
6.	Vishal Wagh	2021	Square Yards	3.0
7.	Rushikesh Jagtap	2021	Gallop Infra Services	1.8
8.	Aakash	2021	Nyati Groups	2.4
9.	Shubham Dimbale	2020	Infosys	4.5
10.	Mandar Danavale	2020	ABIL Group	2.4



Gallop Infrastructures and Consultants, Pune

Placement Drive - No. of Students Recruited - 03

Guest lecture - No. of Students Benefited from it - 110

Prominent Recruiters

HIGHEST PACKAGE
4 LPA

OUR ENTREPRENEURS

Sr. No.	Name	Batch	Name of Company
1.	Mr. Ketan Bharekar	2020	PWD – Licenced Contractor
2.	Mr. Prathemesh Sarpate	2020	Govt. Electrical Contractor
3.	Mr. Saurabh Bhat	2020	Bhat Structural Associates, Pune
4.	Ms. Juilee Patil	2020	Patil Associates, Pune
5.	Mr. Shubham	2020	Shubham Earth Movers
6.	Mr. Shreyas Joshi	2020	Earthmovers

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ACKNOWLEDGEMENT

We would like to thank all the faculty members, staff, and students who have been helpful and cooperative while the newsletter was under process. We especially thank the faculties and HOD of the Civil Department, ZCOER for their valuable inputs in this academic newsletter. It is with a team of active members that the newsletter will be published on time.



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<http://zcoer.in/about-department-civil-engineering/>



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