Parshvanath Charitable Trust's

A. P. SHAH INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai

(Religious Jain Minority)

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year July 2020 - June 2021

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(निर्माण)

(Volume – IV)

IN THIS EDITION

The best way to predict future is to build it...

Editorial Team

Prof. Aditya Shastri

Civil Engineering Student's Association (CESA)

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Assistant Secretary

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Dr. Uttam D. Kolekar

Principal

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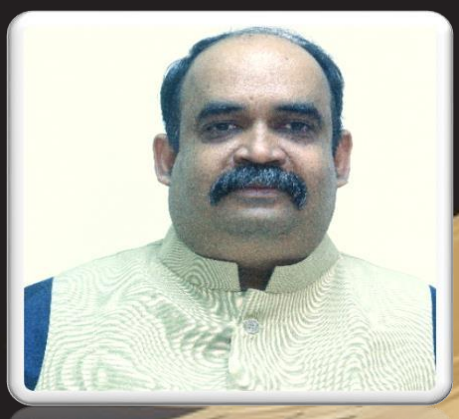
Dean Academics



Dr. Sameer S. Nanivadekar

Dean Administration

About APSIT

A. P. Shah Institute of Technology (APSIT) has started functioning with commitment of imparting state of art technical education so as to inculcate conceptual know-how, analyzing skills, decision making abilities and leadership qualities in the students. APSIT stands committed to the intellectual and moral growth of every student.

APSIT has experienced and proficient team which aspires to unlock the hidden potential in subconscious minds of students and to create competent Engineers with vision & social commitment.

Vision

APSIT aspires to be a premier institute producing globally competent engineering professionals to contribute towards socio-economic growth of India.

Mission

To provide conducive and collaborative environment to meet contemporary & future Engineering challenges by project based and value-added education with the support of trained faculty.

From Principal's Desk

It is my privilege to throw a light on our Institute, dedicated to the quality technical education with all round development of the students to be competent professional Engineers of tomorrows to serve the society. Since its outbreak in late December 2019, COVID-19 has wreaked havoc across the world and like any critical sector, education has been hit hard. Students, schools, colleges and universities have been deeply impacted. What at first seemed like a temporary, emergency precaution quickly gave way to a new normal.

Though colleges are closed, students are attending their classes through various education initiatives like online classrooms, radio programs. Teachers who are all experts in Blackboard, Chalk, books, and classroom teaching are really new to this digital teaching, but they are adopting the new methods and handling it like a pro to aid the students in the current position. Everything is happening for the well-being of the students so that they can stay safe at home without getting affected by the life-threatening virus.

APSIT family has come together to bring you a range of resources, support and guidance to help you deliver effective teaching and learning. I believe that the institute will continue to produce competent technocrats and managers who will make significant contribution to the corporate world and industries all over the world which will enable them to serve as global citizens.

I appreciate the editorial team for their sincere effort in bringing the Newsletter of Civil Engineering Department.

With best wishes

Dr. Uttam D. Kolekar

About the Department

Welcome to the Department of Civil Engineering at APSIT. Department of Civil Engineering reflects importance and legacy of the discipline. The Civil Engineering is the basic branch of Engineering. The department was established in 2014 with an intake capacity of 60 which was raised to 120 since 2016. The state-of-the art facilities and advanced computational resources are available in the department for integrating education and research. Students are exposed to rigorous appraisals to create proficient and ethically strong technocrats.

The department has experienced and highly qualified faculty members to provide an excellent environment for academics and research. The laboratories are equipped with modern equipment which enables students to learn the applications of the fundamentals to solve civil engineering problems. The department offers Project Based Learning (PBL) and Value-Added Programmes (VAP) to make the students employable. The computational laboratory is fully ready with more than 50 licensed software of every domain under the umbrella of civil engineering. This facility serves the budding engineers to fulfil the current soft-skill requirements of the industry and higher education. Indian Green Building Council (IGBC) student chapter launched in the department guides the students towards environment and sustainability through civil engineering activities.

The department also focuses on 360º development of students along with their academics. Small groups of students are allotted a faculty mentor, who looks after problems faced, challenges if any and the overall development of the students throughout academic period. Various in-house activities are organized for the students like communication skill development, IQ enhancement sessions, counselling, sports and cultural activities. For this purpose the students have dedicated spaces for in-door and out-door sports, music, dance, debating etc. The department has Civil Engineering Students' Association (CESA), which is handled by the students and for the students. The department enhances technical skills and improves the overall personality of students to enable them in facing future challenges.

Vision

"Civil Engineering department strives to produce globally adaptive professionals to ensure sustainable growth of society"

Mission

1. To develop state-of–the-art facilities and advanced computational resources to integrate education and research.

2. To create proficient and ethically strong technocrats by exposing them to rigorous appraisals to make them realise, define and select their key competencies

3. To bridge the academic and industrial gap by imparting training through sound and conceptual foundation and ample field exposure.

From the HOD's desk

The academic year of 2020-21 has ended and the department is looking forward to a great academic year ahead, with plenty of planned activities lined up. This March, as the novel coronavirus escalated into a global pandemic, colleges all over the world made the difficult decision to shut their doors—forcing an abrupt and nearly universal shift to distance learning that proved disruptive for teachers, students, and parents alike. The Covid-19 impact was everywhere, which resulted in the closure of Schools and other educational institutions.

Although online teaching has been encouraged for many years, the COVID-19 pandemic has promoted it on a large scale. During the COVID-19 pandemic, students at all levels (college, secondary school, and elementary school) were unable to attend school. To maintain student learning, most schools have adopted online teaching. Therefore, the purpose of this study was to explore the design of online teaching activities and online teaching processes adopted by teachers at all levels during the pandemic. The instructional behaviors most frequently performed by teachers were roll calls, lectures with a presentation screen, in-class task (assignment) allocation, and whole-class synchronous video-/audio-based discussion.

Through seminars, workshops and expert lectures, the students were equipped with technical knowledge, skills and creativity to excel in their engineering profession. Our students made us proud by excelling in academic and extra-curricular activities.

I congratulate and appreciate the efforts of Students and Faculty who have contributed to the continuous improvement of the department. I also appreciate and thank the editorial team for their sincere efforts in bringing this edition of the Newsletter.

I wish all our students and faculty attain great success in their future endeavours.

With best wishes

Prof. U. W. Mate

Faculty Training and Development

Sr No.	Name of the faculty	FDP	STTP	Workshop	Seminar	Training	Publications
1.	Prof. Upendra Mate	3		4	4		
2.	Dr. Madhuri Mulay	13	1	1			3
3.	Prof. Pooja Rao	2			1		2
4.	Prof. Pravinkumar Jagtap	3		1	3		1
5.	Prof. Raksha Khandare	6	3		2	1	2
6.	Prof. Mrunal Joshi	2		1	3	1	5
7.	Prof. Vishal Misal	5					
8.	Dr. Mugdha Agarwadkar	2		1	13		5
9.	Prof. Nithya K.	3			4		
10.	Prof. Umesh Vazurkar	2					1
11.	Prof. Priyanka Jadhav	2			1		
12.	Prof. Komal Gujarati	6		5	1		
13.	Prof. Vrushali Suryavanshi	2					
14.	Prof. Pallavi Patil	4					
15.	Prof. Snehlata	3	2	1	4	1	
16.	Prof. Kiran Thombre	2					2
17.	Prof. Gauri Pande	4			1		
18.	Prof. Tanuja Vinchurkar	2	1				
19.	Prof. Kushal Thool	1		1	3		2
20.	Prof. Sana Mulla	1			2		
21.	Prof. Aditya Shastri	5					
22.	Prof. Vijayalaxmi Nalawade	3			1	1	
23.	Prof. Shruti Godbole	1					

Student Achievements

Sr. No.	Name of Student	Date	Type of Achievement	Details
1.	Tushar Avhale	01-04-2020	Certification	Autodesk certified Professional: AutoCAD for Design and drafting.
2.	Tushar Avhale	15-04-2020	Certification	Mastering bitumen for better roads and innovative applications.
3.	Rohan Parekh	26-06-2021	Certification	ENVIRONMENT 2.0 GEN-NEXT An initiative by Project Mumbai in partnership with Ministry of Environment and Climate change, Government of Maharashtra.
4.	Kushal Datrange, Pankit Rana, Apporva Aarekar & Mayuri Kesarkar	06-04-2021	Competition	Participated and submitted a research proposal Titled, Refurbished Technology: Solution to E-Waste in Engineering and Technology category and UG level for the Selection Round of 15th Inter-Collegiate / Institute / Department Avishkar Research Convention:2020-21 for zone.
5.	Kushal Datrange, Pankit Rana, Apporva Aarekar & Mayuri Kesarkar	01-03-2021	Journal Paper	Title: Refurbished Technology: Solution to E-Waste Journal: International Journal for Scientific Research & Development Vol. 9, Issue 1, 2021 DOI: 10.22214 ISSN (online): 2321-0613No.:2321-9653
6.	Roshni Tiwari, Raveena Suthar, Aakash Talekar, Parin Vora	01-06-2021	Journal Paper	Title: Solid Waste Management using IoT for Thane North Zone Journal: International Journal for Scientific Research & Development Vol. 9, Issue 4, 2021 | DOI: 10.22214 ISSN (online): 2321-0613
7.	Hritika Jadhav, Sheetal Hotkar, Riddhi Patel, Sanket Gade	04-04-2021	Journal Paper	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 08 Issue: 04 | Apr 2021, Analysis of High Rise Building Subjected to Blast and Earthquake Loads for Effective Position of Shear Walls Using ETABS.

Student Achievements

Sr. No.	Name of Student	Date	Type of Achievement	Details
8.	Pradnya Gage, Apurva Bhalerao, Janhavi Ghare, Aparna Humane	06-06-2021	Journal Paper	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 08 Issue: 06 | June 2021 Modular Treatment Centres: An Approach Towards Emergencies in Disasters and Pandemics
9.	Vinit Sawant, Karan Shukla, Yash Sawant, Suraj Shah	05-05-2021	Journal Paper	International Research Journal of Modernization in Engineering Technology and Science Volume:03/Issue:05/May-2021 Permeable Interlocking Concrete Pavement: A Review
10.	Ashutosh Deshmukh, Tushar Avhale, Kunj Gala, Nidhanshu Bhatt	05-05-2021	Journal Paper	IJSRD - International Journal for Scientific Research & Development| Vol. 9, Issue3 , 2021 Augmented Reality & Virtual Reality in Construction Industry
11.	Kushal Vilas Datrange Apoorva Prakash Arekar Mayuri Dipak Kesarkar Pankit Rajesh Rana	01-06-2021	Journal Paper	IJSRD - International Journal for Scientific Research & Development| Vol. 9, Issue 1, 2021 Refurbished Technology: Solution to E-Waste
12.	Roshni Tiwari, Akash Talekar, Raveena Suthar, Parin Vora	04-04-2021	Journal Paper	IJSRD - International Journal for Scientific Research & Development| Vol. 9, Issue 4, 2021 Solid waste management using IoT for Thane North zone
13.	Divyashri Kokate, Samiksha Mahalle	07-05-2021	Journal Paper	Presented paper in International Conference On Industry 4.0, Advances In Engineering And Sustainability For 'Make In India' Initiative, [Icaesm-2021], held at Saraswati College of Engineering, Kharghar, Navi Mumbai, India, on 7thMay 2021 Simple Solutions for Solid Waste Management – Need for better Future

Student Achievements

Sr. No.	Name of Student	Date	Type of Achievement	Details
14.	Gediya Devang, Hingu Dipesh, Goel Jaimin, Chotaliya Nilesh	07-05-2021	Journal Paper	International Research Journal of Engineering and Technology (IRJET), Volume 8, Issue 5, May 2021 "Feasibility of using Recycled Shipping container Material in Building Construction, Design and Analysis Using STAAD-Pro"
15.	Vinit Sawant, Karan Shukla, Yash Sawant, Suraj Shah	26-06-2021	Journal Paper	International Research Journal of Modernization in Engineering Technology and Science Volume:03/Issue:05/May-2021 Permeable Interlocking Concrete Pavement: A Review “PERMEABLE INTERLOCKING CONCRETE PAVEMENT: A REVIEW”
16.	Pushpak Patil, Nikhil Sawant, Vaibhav Tonpe, Akash Verma	03-05-2021	Journal Paper	International Research Journal Of Advanced Research, Ideas and Innovation in Technology, Volume 7, Issue 3, May 2021 Self-Healing Concrete: A Bacterial Approach
17.	Mrunmaye Bhosale, Sanket Chitte, Maya Gupta, Shrutika Ugalmugale	05-05-2021	Journal Paper	International Journal of Advances in Engineering and Management (IJAEM), Volume 3, Issue 5 May 2021, pp: 1153-1157 Construction of Bituminous Road Using Plastic Waste
18.	Chaitanya Barkade, Jay Anam, Harish Choudhary, Aniket Dhandar	03-05-2021	Journal Paper	International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 06 | June 2021, Impact Factor value: 7.529 | ISO 9001:2008 Certified Journal, Design of Artificial Recharge System for Enhancing Groundwater Storage – Rainwater Harvesting System

Topper's list

Congratulations to our students on their excellent exam results. We wish them to keep the same courage and confidence to face the challenges of life.

December 2020

Semester	Name of Student	CGPA
	Vatsaraj Atharva Swapnil	10
III	Gauri Manish Thakur	10
	Shelar Suchita Namdeo	9.96
	Gudur Kumar Prabhakar	9.93
V	Pande Shrushti Vinodkumar	9.70
	Sadare Sanket Sharad	9.67
	Arekar Apoorva Prakash	10.00
VII	Barkade Chaitanya Prakash	10.00
	Babar Akanksha Sanjay	9.93

May 2021

Semester	Name of Student	CGPA
	Suyog Baburao Dongare	10
IV	Harsh Pramod Geedh	9.96
	Mrugank Makarand Kelkar	9.96
	Jainapur Srishti Sunil	10
VI	Pande Shrushti Vinodkumar	10
	Ahirwar Vijayalaxmi Mahendrakumar	9.88
	Arekar Apoorva Prakash	10
VIII	Chotaliya Nilesh Dhirajlal	10
	Dharane Amit Kumar	10

Expert Lectures

Opportunities in Civil Engineering and selecting the Career Path

Expert Speakers:

- Dr. K. K. Sundaram Ex. Scientist, DRDO
- Er. Yuvraj R. Patil Deputy Chief Operations Manager/Survey Central Railway
- Er. Ratnakar Choudhari Motivational Speaker

Total students attended: 225

Venue: On-line platform

Date: July 20, 2020

Audience: Third Year and Final Year Students pursuing Civil Engineering (AY 2020-21)

Organised by: Department of Civil Engineering under continuous teaching learning process.

The workshop was organized for the third and final year students (AY 2020-21) of APSIT. The Training and placement cell of APSIT constantly guides the students for selecting the right career path. On the similar lines the Department of Civil Engineering organized the workshop to guide students select their area of interest and opportunities in their way ahead.

The workshop focused on the following points:

- Innovation, start-ups and entrepreneurship
- Preparing for competitive exams.
- Career opportunities in civil engineering post Covid 19 and factors affecting the selection of career.

All the focussed points were covered in a systematic manner and at the end of the lecture, the expert shared some of their experiences and live examples with students. The workshop ended with question-and-answer session and vote of thanks.

Webinar Series on Exploring Civil Engineering

Expert Speakers:

- Dr. Rajiv Gupta (BITS, Rajasthan)
- Er. V.C. Kamble (CIDCO)
- Er. Aditya Deshmukh (Structural Consultant)
- Er Anil Mahadik (Structural Consultant)
- Er. Vinod Vanvari (SBMP, Mumbai)

Total Students Attended: 250

Venue: Online Platform

Date: July 21-25, 2020

Audience: Third Year and Final Year Students pursuing Civil Engineering (AY 2020-21)

Organised by: Department of Civil Engineering under continuous teaching learning process.

The workshop was organized for the third and final year students (AY 2020-21) of APSIT. The University curriculum takes almost care in providing the basic knowledge to students as Civil engineers. The faculty addresses examples of on-site problems and challenges faced by engineers, but with the rapid growth in the industry new techniques and area of study and research are available. To make students aware of the industry demands and keep them updated with latest technologies, the department organised this webinar series. The experts from different emerging areas shared their knowledge with students and encouraged them to explore more and more areas in the coming future.

The topics covered:

- Application of Artificial intelligence in Civil Engineering
- Infrastructure of Metro Construction
- Structural Life deterioration and retrofitting
- Software application in Civil Engineering.
- Role of Project Management and Planning in Civil Engineering

The topics were covered in a systematic manner and at the end of each session, the expert shared some of his field and live examples with students. The sessions ended with question-and-answer session and vote of thanks.

ISTE Approved Online Faculty Development Programme on Software Application and Research in Civil Engineering

Date: 21-07-2020

The department of the Civil Engineering organised five days online Faculty Development Programme (FDP) on “Software Application and Research in Civil Engineering (FDP-SARCE-2020)” The FDP was organised for the faculty members of colleges affiliated to the University of Mumbai. The prime goal of the FDP is to provide a common platform to academicians and researchers to discuss the various software applications in the field of Civil Engineering. The FDP will also help to foster research relations between participants and the delegates. This programme will thus focus on to explore the latest trends in engineering practice and the impact has on professional skills in the field of Civil Engineering.

The FDP was organised on 13th and 17th July 2020. There were around 260 members who attended the FDP from the various institutes. Eminent speakers were invited to impart the knowledge in the area of software applications and Research in Civil Engineering. The FDP intends to provide information about the latest and advanced software for the future development of construction industry. Make specific recommendation for future course of action to promote efficient and effective trends and technologies for research. During the five days of FDP, Dr. Prashant P. Nagrale delivered session on Finite Element Modelling of Flexible Pavement with sharing his knowledge about Mechanistic Approach for Flexible Pavement Design using Finite Element Modelling, Prof. Priyanka Gaidhani delivered session on Primavera P6: Management of Construction Project with hands on presentation on Primavera P6 software , Prof. Jamaluddin Maghrabi shared his thoughts on Structural Engineering and Detailing Software with hands on presentation on STAADPRO, Dr. Hemal Shah presented on topic Use of FEM software for structural analysis and hands on presentation on SAP software, Prof. Pritesh Bhana presented topic VISSIM: A Tool for Microscopic Traffic Simulation and hands on VISSIM software, Dr. Yogesh Agarwadkar presented topic on Geospatial Technology: A Paradigm shift in Civil Engineering.

Expert Lecture on “Rainwater Harvesting”

Date: 17th October, 2020

Civil Engineering Department of A.P. Shah Institute of technology organized expert lecture on “Rainwater Harvesting” for Third year Civil Engineering students. The expert talk was delivered by Mr. Sandeep Adhyapak, CMD & Managing Director, Waterfield Solutions Pvt. Ltd Thane.

The lecture was started by describing the importance of water in everyday life. Our earth is covered with 75% of water and 25% of land but water scarcity is a global issue because the large extent of water is not used for the domestic purpose, irrigation purpose and one of the solutions for such problem is the rainwater harvesting. In the areas of regular rainfall, the perfect alternative to overcome the water scarcity is the collection of rainwater called as rainwater harvesting. Falling rain furnish the clean, natural water and this is not astonishing because it is due to the distillation procedure. This harvesting does not include the water running from land into the streams, lakes, and rivers etc. It can be done in private buildings, public buildings and also in manufactured areas.

Rainwater provides benefits in the quality of water for both cultivation, household aid and rainwater is pure water with no chemicals dissolve in it. In India, it is an ancient practice to collect the rainwater from the rooftops, foot-hills into the tanks. Rajasthan is very famous for this because a person named ‘Rajendra Singh’ has contributed a lot by constructing check dams and he was even respected with the Magsaysay Award for his commendable work. Since from the kings ruling period India has talabs, Hauz etc. which were used to save the rainwater and frequently water was supplied in dry periods. Mostly in dry and semi-dry regions check dams were built to save the water.

Mr. Adhyapak also explained various methods of harvesting water, its advantages & disadvantages. It reduces the water logging problem & improves the ground water table within the area because the water does not flow away but stands in that area and percolate in to the ground. Also, excess water is stored into surrounded deep sewers helping to maintain the surrounding water table and greenery. It reduces the soil erosion problem as well.

Students are encouraged to make scientific studies to enhance rain water harvesting practices by carrying out final year projects. Overall, the lecture was very interesting and beneficial to all the students.

Expert Lecture on Waste Management in Mumbai Airports

Venue: A.P. Shah Institute of Technology (Online mode)

Expert lecture date: 24-10-2020

Audience: Final year Civil Engineering students and Faculty

Expert speaker: Mr. Shailendra Joshi,

General Manager-Corporate Environment & Sustainability Environment Department, Mumbai International Airport Ltd.

Organised by: Civil Engineering Department

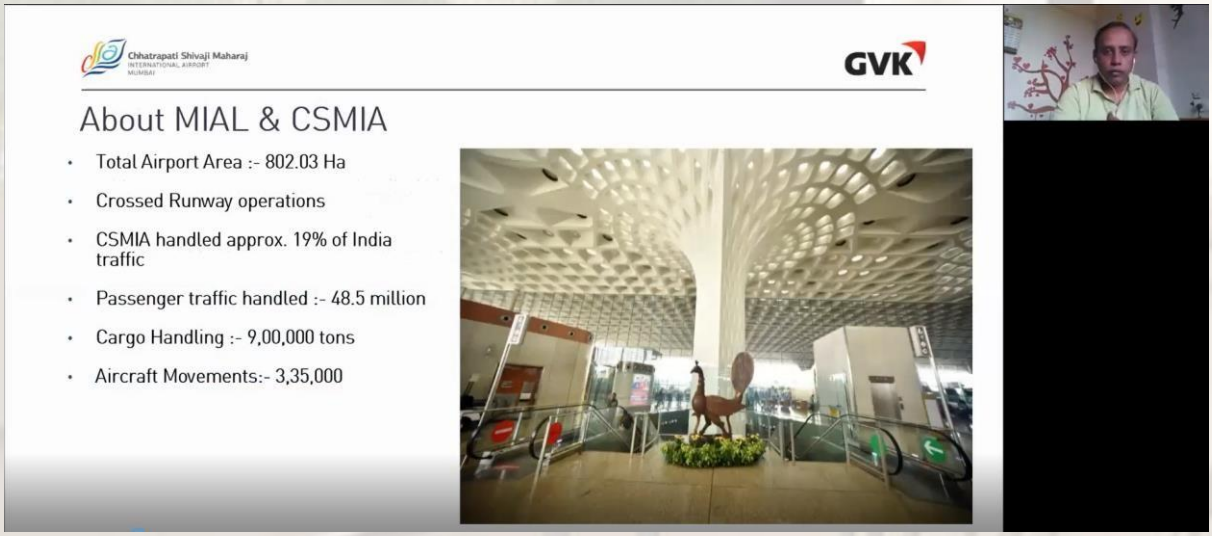
Faculty Co-Ordinator: Prof. Mrunal Joshi

Total students attended: 68

Due to growing population, urbanization and industrialization, generation of solid waste is increasing day by day. Apart from traditional methods of management, new technologies are required to be applied in many sectors for waste management. Instead of simply dumping of the waste on dumping ground or landfilling, initiative required to be taken for applying R principles at every stage of waste management.

Expert lecture highlighted how waste management i.e. solid and liquid waste management is done at Mumbai International Airport. Mr. Shailendra Joshi has added the knowledge of students by sharing his experiences at airport waste management. He described his work for Environmental operations of the Airport and related development projects, Environmental clearances of the projects, Sustainability Initiatives in the capacity of General Manager – Corporate Environment & Sustainability since October 2010. Also mentioned the initiatives taken by him for plastic bag banning, food waste management, and waste water management.

The topic was covered in a systematic manner and during the lecture, expert shared some of his field experiences with students which was very interesting. The lecture ended with question-and-answer session and vote of thanks.



Expert Lecture on Waste Management for better tomorrow

Venue: A.P. Shah Institute of Technology (Online mode)

Expert Lecture Date: 26-02-2021

Audience: Final year Civil Engineering students and Faculty

Expert Speaker: Ms. Rashmi Joshi, Environment Consultant

Organised by: Civil Engineering Department

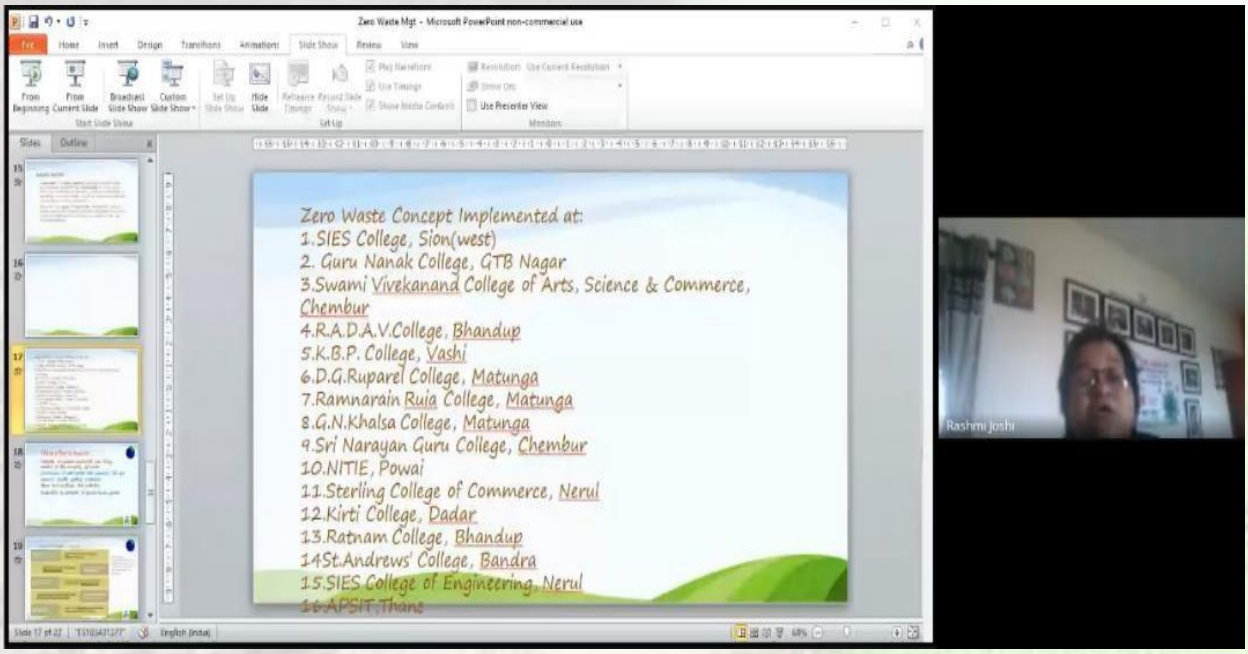
Faculty Co-ordinator: Prof. Mrunal Joshi

Total students attended: 66

Now a day's waste management is big issue of concern. Due to rise in waste generation and less availability of space for waste treatment, processing and disposal, most of the waste is dumped in dumping grounds. In expert lecture mam highlighted various simple methods or techniques that can be implemented for better waste management.

Ms. Rashmi Joshi has added the knowledge of students by sharing her experiences in the environmental field, also suggested the topics for students' project. She highlighted on current scenario of dumping ground, made visualization of the factors that affect climate change such as decentralization, low-cost energy efficiency and environmental sustainability. She focused on the point of segregation as foreign countries are doing segregation of waste in 21 categories while in India, we have only 2 categories of waste segregation. The speaker also provided information about e waste management and scientific disposal of e-waste.

The topic was covered in a systematic manner. The lecture ended with question-and-answer session and vote of thanks.



Career opportunities in Onshore and Offshore Oil and Gas Industry

Date of Expert talk: April16, 2021

Spoke person: Girish G. Rakhonde, Founder of CNSES Global Company, Mumbai.

Duration of Lecture + Q & A Session: 2 hours

Attended by: Final Year Students & Faculty members

Sir had design experience of 16 years in oil and gas industry with knowledge of international codes like Indian, American, European, Russian, Norwegian, Australian, Algerian design codes, Process Industry Practices standards etc.

Sir talked on different types of loads to be considered for Analysis & Design of Oil & Gas Structures and shared the knowledge which he had gained during their visits and stays into different abroad countries like Germany, Norway & Malaysia etc.

The session was an eye opener to all the civil engineering students for their career development and to let them know their future job.

Expert Lecture Report on various Acts pertaining to Industrial Waste Water or Effluents

Venue: A. P. Shah Institute of Technology (Online mode)

Expert Lecture Date: 26-04-2021

Audience: Final year Civil Engineering students and Faculty

Expert Speaker: Prof. Pravin Pathak, K. K. Wagh Polytechnic, Nashik

Organised by: Civil Engineering Department

Faculty Co-ordinator: Prof. Mrunal Joshi

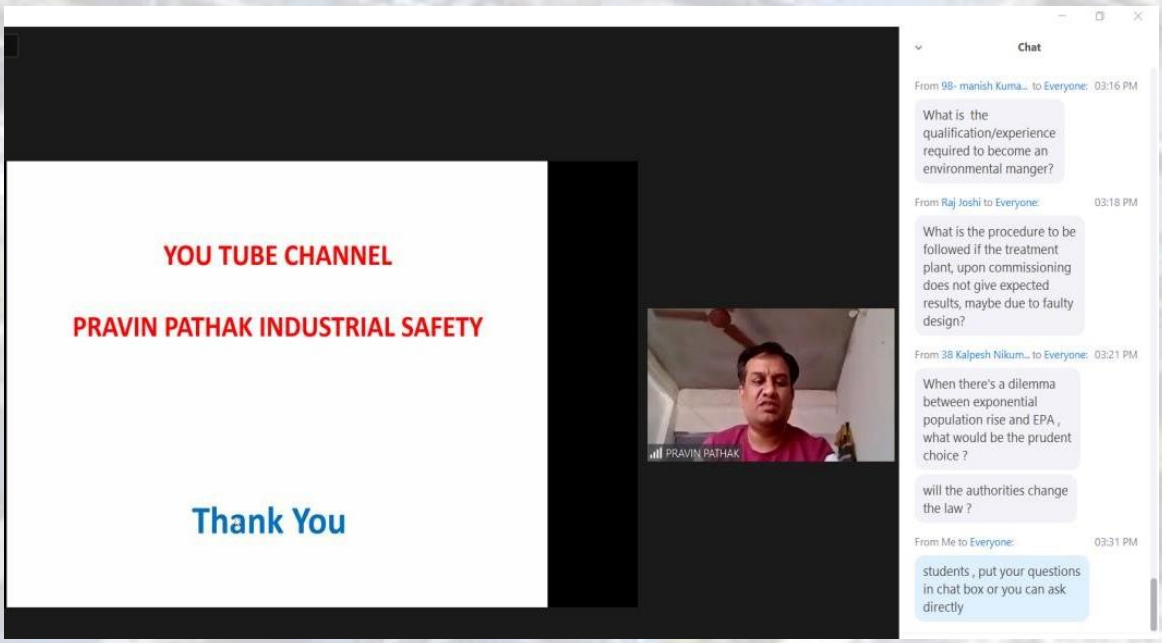
Total students attended: 85

Environmental acts and laws play very important role in minimizing the pollution in water, air, soil etc. In case of no provision of any acts and regulation, it is difficult to control industrial pollution in any water body. Some standards are required to maintain while discharging waste water in any water body.

CPCB and SPCB are taking care as a regulatory body to control pollution. In expert lecture, sir has discussed various acts that are implemented for controlling pollution and highlighted the general environmental acts starting from The Environmental (Protection) Act, 1986. In detail explanation of acts with its importance is covered by sir very nicely.

Pravin Pathak sir has added the knowledge of students by sharing his experiences related to industrial waste management. Sir has shared his YouTube channel link with students so that students would be able to study more topics related to the subject.

The topic was covered in a systematic manner. The lecture ended with question-and-answer session and vote of thanks.



Ecosystem Restoration –What can we do?

Venue: A. P. Shah Institute of Technology (Online mode)

Expert lecture date: 05-06-2021

Audience: Faculties and students

Expert Speaker: Prof. Rajendrakumar Saraf, Chairman- Viraj Envirozing India Pvt. Ltd.

Organised by: Civil Engineering Department

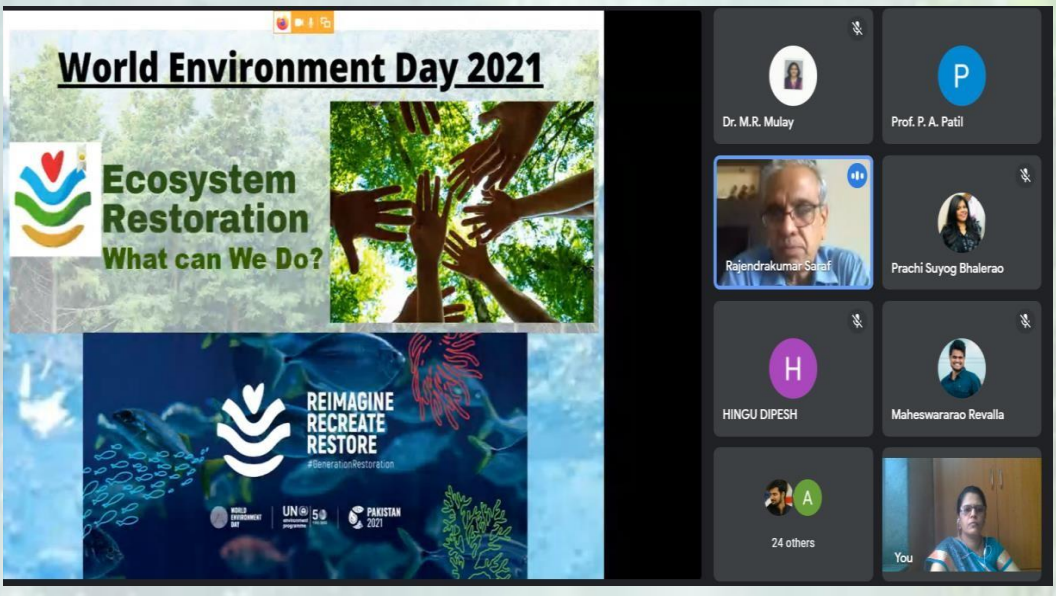
Faculty Co-Convener: Prof. Mrunal Joshi

Total participants attended: 45

This webinar was purposely arranged on 5th June for the celebration of world environment day. It is the United Nations' principal vehicle for encouraging awareness and action for the protection of the environment. First held in 1974. It has been a platform for raising awareness on environmental issue such as marine pollution, human overpopulation, global warming, sustainable consumption and wildlife crime. World Environment Day is a global platform for public outreach, with participation from over 143 countries annually. Each year, the program has provided a theme and forum for businesses, non-government organizations, communities, governments and celebrities to advocate environmental causes.

This year the theme for 2021 is "Ecosystem Restoration" and so considering this theme webinar is arranged on topic. ECOSYSTEM RESTORATION –WHAT CAN WE DO?

Sir has started with basics of environment, biotic and abiotic factors, discussed about importance of nature. Sir has focussed on how the destruction of environment takes place from 1950 till date. He has given various examples about how water quality in water bodies is degraded by human beings. He has focussed that development activities should be sustainable. Also discussed about drivers of biodiversity, ecosystem, goals of sustainable development, how to construct building liveable to birds. Sir has explained very nicely the different ways for ecosystem restoration by giving day to day life examples which ultimately made the participants to think about. Sir has added knowledge by giving example and saying that small initiatives today can help in ecosystem restoration.



Alumni Meet

Convocation of 2020-2021 Batch (Scheduled on 25/06/2022)

Department of Civil Engineering Group Photo

Program Educational Objectives (PEO)

PEO 1 Preparation: To prepare students for successful careers in industry, research and institutions of higher learning with social sense and responsibility.

PEO 2 Core Competence: The graduating professionals from Civil Engineering will have a wide spread background of sciences, mathematics and fundamentals of Civil Engineering to solve ever-changing universal industrial problems.

PEO 3 Breadth: To create environment for students to aspire them to make competitive and innovative solutions to Civil Engineering problems.

PEO 4 Professionalism: To enrich students with leadership qualities, professional ethics and entrepreneurial skills through various devised programs.

PEO 5 Life Long Learning: To promote students' awareness and commitment to lifelong learning for professional engagement to benefit society at large.

THERE IS ONLY ONE PURPOSE IN THE WHOLE OF LIFE -EDUCATION.

— Swami Vivekananda

A. P. Shah Institute of Technology

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