

Parshvanath Charitable Trust's

A. P. SHAH INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year July 2021 - June 2022

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(Volume – V)

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FAREWELL TO FINAL YEAR STUDENTS

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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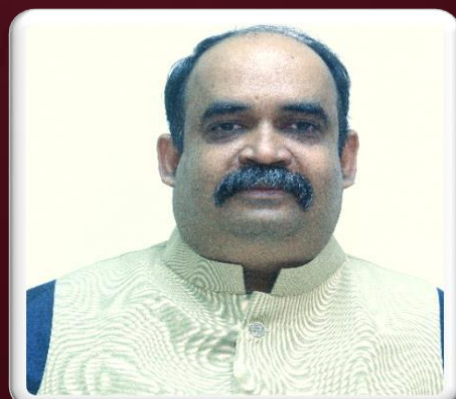
Our Advisors



Dr. Uttam D. Kolekar
Principal



Prof. Atul M. Deshpande
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



Corona-induced severe disruption over the world. All institutes were closed and children were confined to their houses. The education of around 360 million students was hampered in India alone. We shifted to an alternative education mode but that alternative was not accessible to all.

The shift from the traditional education system to online education mode was so sudden and unplanned that teachers did not get time for preparation or for training in it. But this transformation, despite difficulties and limitations, has paved the way for a change in the existing education system. The manner in which teachers are trained to get the most out of newer learning methods and a judicious blend of digital and classroom teaching will shape the future of education in the post-Covid era. Incorporation of hybrid mode of teaching-learning, i.e., theoretical lectures conducted online and students called in institute for performing practical sessions, with full safety also proved to be quite efficient.

APSIT family has come together to bring you a range of resources, support and guidance to help you deliver effective teaching and learning. I appreciate the staff and students of Department of Civil Engineering, who use various modes of expansion to present their ideas. We have research oriented, challenge seeking, well qualified and devoted faculty to train the students in quality technical education. The ultimate aim of our management and staff is to get higher percentage to our students and place them in multi-national companies.

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 360° 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



Summarizing academic year of 2021-22 amidst challenging Covid-19 has been quite different, considering all the dimensions of academics and related achievements. The Covid-19 impact was everywhere, which resulted in the closure of Schools and other educational institutions.

The pandemic made it crystal clear that nothing can substitute education. The online system of education has put the foundations of modernisation of education. The abundance of the readymade quality contents and material availability on various educational online platforms is the most obvious change in education due to the pandemic.

Through the help of online learning, we can easily bridge the learning gap of our students. All this transformation will be the foundation stone for the social, the environmental and most importantly the national development. Using classrooms for the purpose of debate and group discussion, labs for experiments and action learning and playground for physical and mental development of children will only be capable in instilling all the life skills among the students.

In the Department of Civil Engineering, we believe in sustainable excellence keeping in mind our vision and mission. Department has well equipped and modern laboratories, highly qualified and experienced team of faculties, ICT enabled classrooms, and conducive work environment. 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.

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 W. Mate	2		1			
2.	Dr. Madhuri Mulay	1	1	1			
3.	Dr. Mugdha Agarwadkar	2			1		
4.	Dr. Pooja S Rao	1		2			
5.	Prof. Pravin kumar S. Jagtap	1		1			
6.	Prof. Raksha Khandare	4	2		1	1	
7.	Prof. Pallavi Patil	1		1			
8.	Prof. Mrunal Joshi	1	1		2		
9.	Prof. Vishal Uttam Misal			1		1	
10.	Prof. Umesh vazurkar					2	
11.	Prof. Nithya. K	2			1		
12.	Prof. Priyanka Jadhav						
13.	Prof. Vrushali Suryawanshi						
14.	Prof. Komal B Gujarati			2			
15.	Prof. Gauri J Pande						
16.	Prof. Snehlata	1		1	2		
17.	Prof. Kushal P Thool			3			
18.	Prof. Kiran B Thombre	1				1	
19.	Prof. Sana A Mulla						
20.	Prof. Aditya Shastri	3		1	3		
21.	Prof. Vijayalaxmi Nalawade	2	1				
22.	Prof. Shruti Godbole	4					
23.	Prof. Megha Thomas						
24.	Prof. Nitin Mane	1		1	1	1	



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 2021

Semester	Name of Student	CGPA
III	Bhosale Vighnesh Rajendra	9.89
	Salvi Harish Shivaji	9.74
	Jalkote Sangmeshwar Shambhu	9.74
V	Pawar Rohit Prakash	10
	Salunkhe Kshiti Sudhakar	9.88
	Shikhare Janvi Rajeev	9.79
VII	Dumbre Rucha Dnyaneshwar	10
	Patil Sairaj Dayaram	9.93
	Ashish Shashi Kumar	9.89

May 2022

Semester	Name of Student	CGPA
IV	Gohil Jay Arvind	9.13
	Sawant Sarvesh Uttam	9.13
	Bhosale Vighnesh Rajendra	8.88
VI	Salunkhe Kshiti Sudhakar	9.24
	Shikhare Janvi Rajeev	8.65
	Patil Pradnil Vinay	8.59
VIII	Adhyapak Sampada Sandeep	9.88
	Diwani Harsh Bhavesh	9.75
	Gudur Kumar Prabhakar	9.71

Expert Lectures

Opportunities in Civil Engineering and selecting the Career Path

Expert Speakers: Er. Ratnakar Choudhari (Motivational Speaker)

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

Venue: On-line platform

Date: August 7, 2021

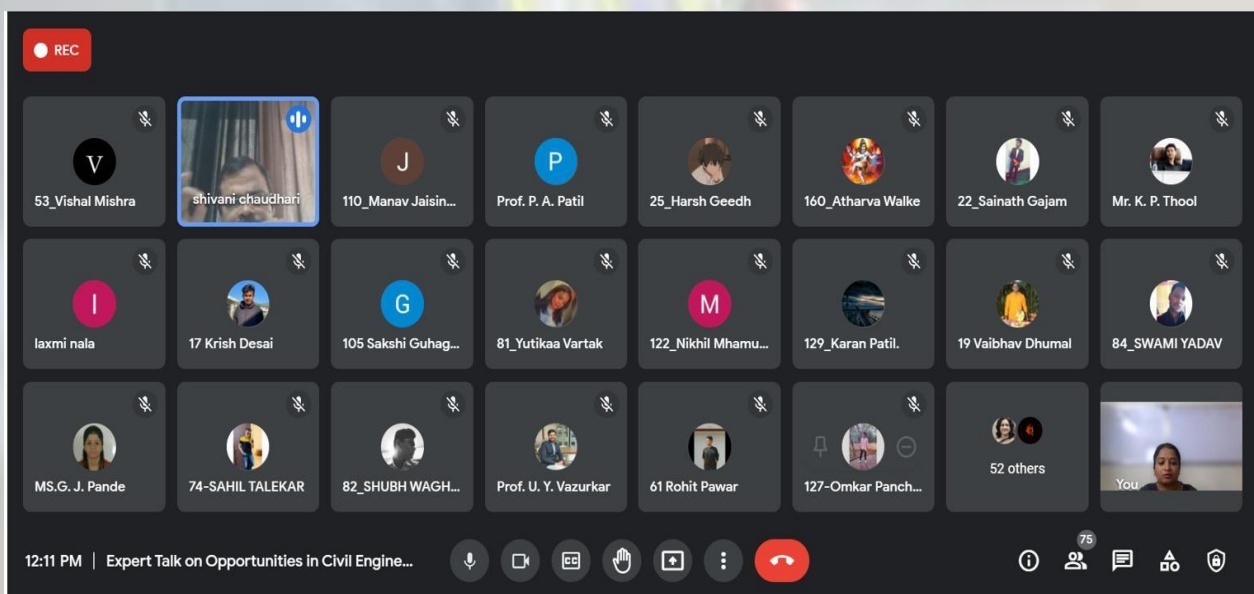
Total Students attended: 60

The Expert Talk is organized for the third year students (AY 2021-22) 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 talk to guide students select their area of interest and opportunities in their way ahead.

OBJECTIVES OF WORKSHOP

- 1) To educate students about personal career development
- 2) To direct students to make good career choices based on personal strengths, values, interests and abilities
- 3) Introduction to the “World of Work”

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. It ended with question and answer session and vote of thanks.



Expert Lecture on Structural Retrofitting

Expert Speakers: Er. Aditya Deshmukh (Structural Consultant)

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

Venue: On-line platform

Date: August 14, 2021

Total Students attended: 62

The expert lecture was organized for the third students (AY 2021-22) of APSIT. In order to prepare industry ready students, it becomes important to make students aware of applications on field. The experts lectures gives students opportunity to communicate with industry expert and explore the field of work. On this drawback one such expert lecture was arranged to make students understand the concept of Structural Retrofitting.

Objectives of Expert Lecture:

- 1) To make students aware of need of retrofitting.
- 2) To make students understand the role of structural engineer.
- 3) To understand the on-field expectations and demands from industry.

The topics was covered in a systematic manner and at the end of the 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.



Disaster Management in Mumbai - Role of Engineers in DM

Expert Speakers: Mr. Mahesh Narvekar

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

Venue: On-line platform

Date: September 20, 2021

Total Students attended: 102

The lecture began with the warm welcome of Resource Person – Mr. Mahesh Narvekar, faculty members and students present for the program. Mr. Omier Sarkare final year student of Civil department introduced the speaker.

Disaster are unpredictable events, but the impact appears to be very drastic and intense over the society in various ways. It is needed to create awareness about disaster management and tricks to tackle disastrous situations, among the students in their early age of the journey towards being a responsible citizen. Main objective of this lecture was to sensitize with regard to role of disaster resilient infrastructure in DRR measures and role of civil engineers, to inculcate the idea of safety measures for infrastructure built, following codal norms in this regard.

A total of 102 students along with the faculty members of Civil and Mechanical department, APSIT attended the guest lecture. The session was interactive and informative. Early warning systems for earthquake hazards are being developed. There is a need for development of technologies for enhancement of infrastructure. He emphasized on Disaster resilient infrastructure & discussed the salient features and role of NBCI in details for example its importance in developing resilient infrastructure in India. He mentioned that codal provisions need to be implemented honestly at ground levels.

Ms. Sristi Jainapur, Final year student of Civil Department gave Vote of thanks in the end of the program. She thanked the patrons, eminent speakers, Students & faculty for being attended this wonderful expert lecture.



Different approach of Waste Management in Urban Area

Expert Speakers: Mr. Chandrakant Tambe

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

Venue: On-line platform

Date: October 04, 2021

Total Students attended: 40

Now a day's solid waste management is becoming a problem of great concern because of huge quantities of waste generated. Proper treatment and disposal of waste is very much important from public health point of view and maintaining sanitation in community. As Chandrakant Sir rightly said, the municipal cooperation is the focal point who manages solid waste and implements related policies. Starting off with some factual content, he explained how Mumbai is densely populated and how that affects our waste management on a whole.

Tambe sir gave an example of the Pali hill project for Biogas plant. The capacity of the same being 1 tonne and how 75-80 street lights are getting electricity because of this. Dr Kabir joined us too and added some valuable inputs regarding Biogas digester. The topic was covered in a systematic manner. The lecture ended with question-and-answer session and vote of thanks.

The screenshot displays a Zoom meeting interface. On the left, a PowerPoint presentation is visible with the following content:

- Household Bio Gas Digester**: Includes an image of a green cylindrical digester and a gas stove.
- Digester System at society level**: Includes an image of a large blue cylindrical digester and a list of features:
 - Automated microprocessor controlled system
 - Completely sealed
 - Factory manufactured and tested modules
 - Minimum site work - limited to erection, interconnecting piping and electrical connections.
 - Integrated crusher
 - Installed on terrace or compound

On the right side of the Zoom window, there is a grid of participant avatars. The top row shows 'Chandrakant T...' and '001_Sampada A...'. Below them are several other participants, including '49 Sahil Patil', '27 Sourabh Kana...', '40_Haridas Naik...', and 'A / 17 Pawan S J...'. At the bottom of the grid, there are icons for '28 others' and 'You'.

Expert Lecture on “Career Opportunities in Civil Engineering”

Expert Speakers: Prof. Raksha S. Khandare

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

Venue: On-line platform

Date: December 24, 2021

Total Students attended: 40

The Expert Talk is organized for the second and third year students (AY 2021-22) 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 talk to guide students select their area of interest and opportunities in their way ahead.

Objectives of Workshop

- 1) To educate students about personal career development
- 2) To direct students to make good career choices based on personal strengths, values, interests and abilities
- 3) Introduction to the “World of Work”

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. It ended with question and answer session and vote of thanks.



Expert Lecture on “Urban Infrastructure Planning”

Expert Speakers: Dr. Parag Govardhan Narkhede

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

Venue: On-line platform

Date: February 10, 2022

Total Students attended: 46

On February 10th, Civil Engineering Student Association (CESA) conducted a session about Urban Infrastructure Planning, which focused on making people aware about urban development. The session was open for all Civil Engineering Students and Teaching staff of A. P. Shah Institute of Technology and approximately 46 people have attended this session. During the session, attendees shared opinions, thoughts and suggestions for urban infrastructure planning.

Prof. Vishal Misal, CESA incharge and Prof. Aditya Shastri, CESA Coordinator along with other teaching staff of Civil Engineering were on hand to open the Conference. Ms. Srishti Jainapur, Vice President of CESA welcomed all for the session

The keynote speaker was Dr. Parag Govardhan Narkhede, HOD at BKPS College of Architecture (Pune). MR. Narkhede spoke about the necessity of urban infrastructure planning and not only stated detailed information related to it also conveyed the fact that how engineers should grab opportunities in infrastructure planning.

During the session, participants had opportunity to solve their queries related to urban infrastructure planning and also got some career guidance. Session lasted for 60 minutes. At the end Ms. Riya Kanikudiyil, Ladies Representative of CESA deliver the vote of thanks and session wrapped up successfully under the guidance of Mr. Sairaj Karmalkar, President of CESA.

INFRASTRUCTURE PLANNING

Dr. Parag Narkhede

Head of the Department

B.K.P.S. College of Architecture, Pune



Expert Lecture on Offshore Engineering - Introduction and Scope

Expert Speakers: Dr. Ajaykumar R. Kambekar

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

Venue: On-line platform

Date: February 17, 2022

Total Students attended: 22

The expert lecture was organized for the third Year DLOC students (AY 2021-22) of APSIT. To prepare industry-ready students, it becomes important to make students aware of applications in the field. The expert's lectures allow students to communicate with industry experts and explore the field of work. On this drawback, one such expert lecture was arranged to make students understand the importance and scope of Offshore Engineering.

OBJECTIVES OF EXPERT LECTURE

- 1) To Give a brief Introduction to Offshore Engineering.
- 2) To make students aware of the scope of Offshore Engineering
- 3) To make students understand the role of offshore engineers.

The topics were covered systematically and at the end of the session, the expert shared some of his fields and live examples with students. The sessions ended with a question and answer session and a vote of thanks.



Expert Lecture on Field Mistakes while mixing and placing the concrete and Durability of Concrete

Expert Speakers: Dr. Polu Raju

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

Venue: On-line platform

Date: February 19, 2022

The expert lecture was organized for the second, third and final Year students (AY 2021-22) of APSIT. To prepare industry-ready students, it becomes important to make students aware of applications in the field. The expert's lectures allow students to communicate with industry experts and explore the field of work. On this drawback, one such expert lecture was arranged to make students understand the field mistakes while mixing and placing concrete and the understand the durability of concrete.

OBJECTIVES OF EXPERT LECTURE

- 1) To Give insight about mistakes made on the field.
- 2) To make students aware of the responsibilities in the field of engineering
- 3) To make students understand the importance of the properties of concrete.

The topics were covered systematically and at the end of the session, the expert shared some of his fields and live examples with students. The sessions ended with a question and answer session and a vote of thanks.



Expert Lecture on RCC Building Construction – Planning, Execution, Safety Measures and Associated Problems

Expert Speakers: Er. Ratnakar Chaudhari

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

Venue: On-line platform

Date: February 22, 2022

The expert lecture was organized for the third and Final Year students (AY 2021-22) of APSIT. To prepare industry-ready students, it becomes important to make students aware of applications in the field. The expert's lectures allow students to communicate with industry experts and explore the field of work. On this drawback, one such expert lecture was arranged to make students understand the process of RCC Building construction along with the problems faced during planning, execution and safety measures to be adopted.

OBJECTIVES OF EXPERT LECTURE

- 1) To Give an Idea about RCC building on field.
- 2) To make students aware of the responsibilities in field as engineering
- 3) To make students understand the various problems and precautionary measures during planning and construction stages.

The topics were covered systematically and at the end of the session, the expert shared some of his fields and live examples with students. The sessions ended with a question and answer session and a vote of thanks.



Online Expert Lecture on, “Basics of Anaerobic Digestion Processes of Wastewater Treatment”

Expert Speakers: Dr. Brajeshkumar Dubey

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

Venue: On-line platform

Date: February 25, 2022

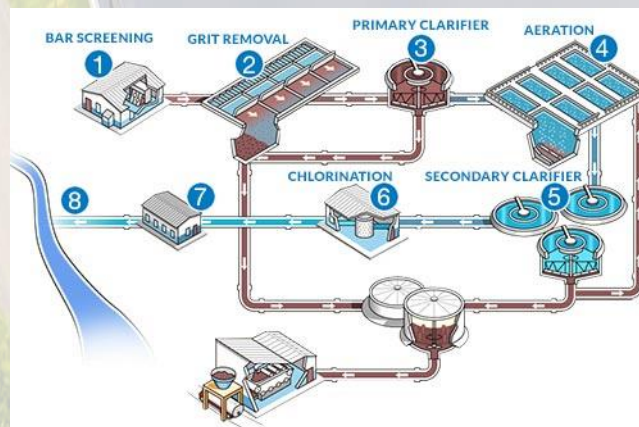
Civil Engineering Department of A.P. Shah Institute of Technology organized expert lecture on “Basics of Anaerobic Digestion Processes of Wastewater Treatment” for 2nd, 3rd & final year Civil Engineering students. The expert talk was delivered by Dr. Brajeshkumar Dubey, Professor, IIT Kharagpur.

All the basics of the respective topic were covered as 2nd year students were in the audience and they had not yet learnt about Environment Engineering or any Wastewater Treatment processes. We started off with the Indian and global scenario of wastewater management and understood the various challenges we are facing on a whole and what can be done to improve the present situation.

Wastewater Treatment can be done in several ways. We learnt about Aerobic Wastewater Treatment processes too, understood its mechanism and drawbacks and thus focused more on the Anaerobic Wastewater Treatment processes due to its several advantages over Aerobic Wastewater Treatment processes. These advantages included less energy requirement, less operation and maintenance and lastly energy production.

We learnt the characteristics of Anaerobic Treatment process, mechanism of Anaerobic degradation of organic matter which includes hydrolysis, acidogenesis, acetogenesis and methanogenesis; the factors affecting Anaerobic degradation and the applications of the same. Popular Anaerobic Treatment methods like UASB (Up flow Anaerobic Sludge Blanket), Anaerobic Filters, Anaerobic contact process etc. were discussed and understood.

All in all, it was a very informative and enlightening session. Every doubt was answered very convincingly and in detail. We thank Dr. Brajeshkumar Dubey for the same.



Expert lecture on concept of CETP for Industrial wastewater

Expert Speakers: Mr. Gitesh Sabane

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

Venue: On-line platform

Date: April 23, 2022

Total Students attended: 20

Any use of water, converts that water into wastewater. Proper treatment and disposal of generated waste water is important and necessary from sanitation and public health point of view. If the waste water is industrial waste water then more careful treatment is required as industrial waste water contains variety of chemicals, toxic substances, metal, more concentration of BOD, COD, TSS. Expert lecture highlighted on treatment of industrial waste water in Common Effluent Treatment Plant (CETP). Sir had shared his field experiences to the students.

Sir had explained the basic concept of CETP along with definition, what are the various conditions of designing of CETP. He discussed about various business models for CETP such as full public ownership, full private ownership, public private ownership, built own and transfer and many more. He has discussed about various advantages and of CETP and need of CETP in industrial sector.

Gitesh sir has huge experience of handling CETP. At present he is a director of SMS Waluj CETP. He explained the process of CETP at Waluj area. He described the process flowchart of CETP and then explained each and every unit in detail with his field experiences. Sir has focussed the how heavy metals are removed from SMS Waluj CETP and this technology is honoured by authorities. He gave the overview of this special treatment plant and problem faced during the operating. He also emphasised on the advanced motoring system installed at Waluj CETP. It was great to hear from sir that this CETP has received Vasundhara Environment Award in CETP category for the year 2015 by Government of Maharashtra.

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.



Waste and wastewater Treatment

Presented By
Mr. Gitesh Sabane

23.04.2022

Survey Camp Monteria Resort Khalapur

Date: April, 18, 2022

It gives us immense pleasure to express our deepest sense of gratitude and sincere thanks to our highly respected and esteemed Principal Sir Dr. Uttam D. Kolekar, Dean of Administration Dr. Sameer Nanivadekar and Dean of academics Dr. Atul Deshpande for motivating and supporting students for the active participation in all the activities. We would also like to thank our Head of Department Prof. Upendra Mate for wholehearted support. Special thanks to the faculties Prof Kiran Thombre, Prof Snehlata, Prof Umesh Vazurkar, Prof Vishal Misal, Prof Nitin Mane and Miss Vaidehi Chaudhary for their valuable guidance, encouragement and help for completing this work.

A two-day survey project camp was conducted for 4th semester students of Civil Engineering Department on 3rd and 4th of April 2022 at Monteria, Khalapur. The students were asked to report to college campus at 7 am on 3rd April 2022. Three buses were arranged and three pick up points were finalised i.e College Campus, Thane Station and Kalamboli McDonalds considering the constraints of students staying out of Thane or quite far. Each bus was accompanied by two faculty members for smooth transition of students from college to Monteria. After reaching the destination i.e Monteria Resort the students were provided a good and hygienic breakfast and were asked to proceed for Survey. The resort was just few minutes away from the survey camp site. All the students were divided into groups according to their roll numbers in order to complete their respective projects. All students were supposed to complete three Survey projects. Project 1-ROAD PROJECT USING AUTO LEVEL, Project 2-BLOCK CONTOURING PROJECT USING AUTO LEVEL AND GENERATING CONTOURS BY MS-EXCEL and Project 3-TACHEOMETRIC CONTOURING PROJECT ON HILLY AREA.

Day 1: At 11.15 am of 3rd April 2022, all the students reported to their respective project locations with all the instruments and each group was accompanied with one or two faculties. Each group completed one project out of three according to their group before lunch i.e 2:15 pm. Refreshments were provided to each and every one at regular intervals to beat the summer heat during the camp. After lunch i.e 3 pm each group started their second project and it was completed by 6:30 pm, after which evening snacks were provided to the students. After successful completion of the day one projects, the students were really excited for the activities provided by the Resort. With the permissions and under the surveillance of faculties students had a lot of fun playing games and relaxation in swimming pool. Dinner was served at 9:00 pm after which students were instructed to report to their respective rooms for the attendance.

Day 2: At 9:00 am of 4th April 2022, after the breakfast all the students reported their respective project locations with all the instruments accompanied by the faculties and completed the last project before lunch i.e. 1:45 pm. After successful completion of the day two project, students wanted to enjoy the activities provided by the Resort once again before going to home. With the permissions and under surveillance of faculties students had a lot of fun playing various games and enjoying in the swimming pool after which evening snacks

were served at 5:00 pm. At 5:45 pm all the students reported to their respective buses to reach their respective locations.

The main aim to conduct this Camp was to understand that practical knowledge is as important as book knowledge. Doing Survey practical's in college and doing it on actual site gave the students a 360-degree experience. The knowledge gained by the students during performing the projects will definitely be helpful for them in future when they perform such operations on large scale. Once again thanking to all for making this Survey Project Camp 2022 a successful one.



Earth Day Celebration –Plantation Activity at APSIT, Thane

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

Activity Date: 22-04-2022

Audience: Students and Faculty members

Chief Guest: Ms. Rashmi Joshi, Environment Consultant

Organised By: Civil Engineering Department in association with IGBC Students Chapter

Faculty Co-Ordinator: Prof. Mrunal Joshi

Total Students Attended: More than 60

Plantation is one of the best activities for making the planet greener, livelier, and healthier. Planted trees help our biodiversity, ensure the supply of oxygen for the next generations, and provide us with various resources. Without trees, the existence of human life, as well as other species on earth, is impossible. So, we should plant more and more trees. As per the theme of Earth Day “Invest in Our Planet”, plantation is considered as the today's investment in planet which will flourish and after few years, returned back into a big tree with shade, fruits and healthier surrounding nearby.

Plantation activity was conducted in college campus by honourable Trustee Mrs. Pooja Shah, Principal Dr. Uttam Kolekar, Chief Guest Ms. Rashmi Joshi, Dean Academics Prof. Atul Deshpande, Head of Department Civil Engineering Prof. Upendra Mate.

For plantation activity, Neem plant was selected. Neem tree produce huge amount of oxygen and it is useful for people because of medicinal use and in and around neem tree, there is no any diseases or pest attacking organism. Its medicinal and cosmetic uses are based on its antibacterial and antifungal properties. The activity was graced by faculty members and students of various departments.



Earth Day Celebration – Inauguration of E-Waste Collection Centre at APSIT, Thane

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

Activity Date: 22-04-2022

Audience: Students and Faculty members

Chief Guest: Ms. Rashmi Joshi, Environment Consultant

Organised by: Civil Engineering Department in association with IGBC Students Chapter

Faculty Co-Ordinator: Prof. Mrunal Joshi

Total Students Attended: More than 60

Electronic waste or e-waste describes discarded electrical or electronic devices. Used electronics which are destined for refurbishment, reuse, resale, salvage recycling through material recovery, or disposal are also considered e-waste. Technological advances are coming at us at such a dizzying speed that a lot of electronic devices that still work fine are the ones considered obsolete. Many VCR players that got replaced when the DVD player hit the market, and now the DVD players getting replaced by Blu-ray players. If a product is powered electronically and someone thinks they can create a better version, that contributes to e-waste.

Desktops, Laptops, Printers, Mobiles, Headphones, Telephones, Televisions, DVD/CD players, camera, Refrigerator, Washing machines, Iron, Air Conditioners, Batteries, CD and CD covers, Cassettes, Toasters, Vacuum Cleaners, Wires, Electronic toys etc. are examples of E wastes. Management of this E waste is worldwide challenge now a day.

E waste collection center, formed at A.P. Shah Institute of Technology, all the E waste generated in college, also from students and faculties house and from nearby areas would be collected at college campus and then handed over to Ms. Rashmi Joshi for Scientific Recycling. This step would definitely help in preventing E waste pollution and cause the proper management of wastes. E Waste Collection Center was inaugurated by honourable trustee madam Mrs. Pooja Shah and Chief Guest Ms. Rashmi Joshi. The event was graced by the presence of Principal Dr. Uttam Kolekar, Dean Academics Prof. Atul Deshpande, HoD Civil Engineering Prof. Upendra Mate, HoD Humanities and Applied Science Dr. Kore, Associate Professors, Assistant Professors of various departments and students.





Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai
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class of
2021

CONGRATULATIONS GRADUATES!

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 widespread 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.



**“THE GREATEST MISTAKE
OF A SOUL IS NON
RECOGNITION OF ITS REAL
SELF AND CAN ONLY BE
CORRECTED BY
RECOGNIZING ITSELF”.**

-BHAGWAN MAHAVIR



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