



Latthe Education Society Polytechnic

TECH TALK

A Newsletter by Civil Engineering Dept.

PREFACE

Happy New Year to all. I am delighted to present this newsletter to you. Some of the authors of the newsletter are second year and third year students. I hope you enjoy the articles. In this newsletter you will definitely like some of the articles that students have experienced, such as a tour in Habitat, a new experience while grabbing a dealership. You will also find information about new events, exam schedules and other events in the current year. A inspiring achievements of our some students who have acquired ranks in academy and won various awards in extracurricular activities. Let us also gladly praise all the students who have shown their capabilities in various fields in publishing this newsletter, I extend my sincere thanks to the professors and students who have helped me and wish all the students for their bright future. In this newsletter readers will experience new informative articles related to civil engineering world. I appeal to all enthusiastic learners to keep ready your innovative ideas for upcoming newsletter.



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MAINTENANCE ENGINEERING: A NEW CAREER OPTION

FROM PROFESSOR'S DESK



Prof. Omkar Chivate,
Lecturer Civil Engg Dept.

**Do 'structure' needs maintenance?
Is it required?**



Maintenance of "structures"..! Is it required..? Do structure needs maintenance..? Yes..it does!! Perhaps it does talks to us, every time when it feels so! What needed, is just the language of structure that needs to be learnt. By whom..? **Yes WE... THE CIVIL ENGINEERS !** As a Civil Engineer, it is our prime duty to maintain our structures and keep them healthy to live longer. Civil Engineering is to serve the society and not to kill it. It is most important to create an awareness about maintenance and repairs to keep our each structure worth to serve the society better, as it is said " **stitch in time saves nine** ". Thanks to MSBTE which has taken step forward to induce an awareness of maintainability of structures within the students of Civil Engineering. It has included optimum content coverage for Diploma Civil Engineers to work as Maintenance Engineer supervisor on site. The syllabus will help students to build Maintenance Engineering as career option in future and grow in it. Maintenance and repairs of structure is specialised subject of Civil Engineering and has opened various

new career options for Civil Engineers. It is well said, " Surveying buildings is an art and verifying the cause of failure is a science ". It involves for execution of works, sanctioning of jobs, preparing estimates for repair of building, dam, bridge and other civil structures. Along with theory, the practicles are also so well arranged to give details about procedures for various testing, preparing reports, auditing and budgeting. I am sure that this subject will enhance the knowledge of students as per need of industry. This is very good opportunity to all students as well as faculties of Civil Engineering Department to learn and acquire innovative knowledge and skills in this sector. I would like to add, the training arranged for faculties of Civil Engineering by MSBTE was very helpful for smooth and effective coverage of syllabus and impart the same sense of acquiring knowledge of this field to all students. In the training, expertise of various fields shared their knowledge and experiences while working on field. I take this opportunity to express my gratitude to our Principal, HOD and all staff members for their encouragement and appreciation for publishing this article and wish the students for their growing future.

AMAZING TECH-FAIR HABITAT EXPO 2020



Ms. Prerna Kale
President CESA

Due to high levels of enquiry and demand from consultants in sangli Kolhapur area were!

Engineers and architects association sangli announced their forthcoming exhibition event habitat 2020. Habitat has created a sensation in the fields of construction, architecture and interior designing in sangli and it's surrounding with the vast experience of organizing 8 exhibition events and this was the 9th edition of the mega exhibition habitat 2020. Before the beginning of the new millennium the entire major exhibition related to the construction industry were mainly organized in metro cities. Due to high levels of enquiry and demand from consultants and end users in sangli Kolhapur area for all latest and innovative products in the construction business majority of the manufacturers and suppliers where somehow beyond reach as the actual market potential was unknown. This was a great platform to display various kinds of innovations made by people. The product profiles where marble granite and flooring tiles, steel cement manufacturers. Also there were different decorative stones available. Nowadays there is lack of availability of sand so there were different alternatives that could be used instead of sand. People are interested in making their houses more attractive so there was also a mini home theater, wall paintings, digital photo frames, decorative corner pieces, wooden decor etc. We also had a look on the artificial gathering products which gives garden feel to the users. We also saw twisted reinforcing bars which gives much strength to carry load of several span building. People are

investing lots of money e in constructing huge structures and this exhibition included all the products that are essential to construct or renovate the building more attractively and economically such as sanitary ware and bath fittings



Furniture and accessories, solar energy system, electronic and electric products, fly ash bricks, interior wall cladding, paints, wall coating excreta.

Habitat 2020 was not only an exhibition but also a motivation and inspiration for the young generation of our society. Many schools colleges visited this exhibition and the students imbibed the talent and innovative ideas into their mind. Also it helped the architects, engineers and consultants to run their business with innovative ideas and in a smooth and efficient manner. This exhibition was a great source of education for the society.



DEALING FOR DEALERSHIP



Student's Corridor



Mr. Yogesh Wagdiya
Secretary, CESA

It had been about 50 years since NSVSM, Timber Area, Sangli is existing in the market as the best producers, retailers as well as wholesalers in the manufacturing of various wooden products required for the various field such as construction Home closures , interior designing ,finishing and many more.The Industry set up under the leadership of Mr. Devshi R. Patel in late 1967 came to be the leading wooden product manufactures in early 1990s.The quality products, technologies used in manufacturing process and the skills of people working in the industry lead NSVSM to become largest manufactuers and producers in Southern Maharashtra ,Norther Karnataka and Goa region in 2005.

Now it was time to accelerate the company towards the path of establishing their goals and comforts so Mr. Ishwar Patel and I came up with In the late 2019 the meeting was been arranged by the Chairman of company Mr.Amit Bhagat at Gandhinagar, Gujarat for signing of the contract with the terms and conditions which was been attended by me

On 17th Dec 2019 the meeting started at Gujarat International Finance techCity in the strong decision to collaborate with Pravesh Doors the renewed company Of India in productions of doors such as laminated doors, Lamination doors, Membrane doors, PVC doors, and self produced imported teak doors. Pravesh doors have a successful history in business all over the world with 17 branches in India and 32 branches all over the world. I was now ready to establish 18th branch in the form of Maharashtra, Karnataka, Telangana as well as Goa region in India. Gandhinagar, Gujarat. It was a tensed situations created before the start of the meeting as it was going to affect the upcoming 50 years market of approximately whole western India. Meeting started with a calm and cool behavior of Mr.Amit Bhagat which has reduced nearly 60% to tensed situations to be created. It was a joyful and pleasant atmosphere going on during finalizing the contract as if the meeting had null importance from the future development of National and International market. After discussion about the project to be carried out it came about to financial matters to be executed in which targets where been allotted to me which were to be executed for development of International market of company. He had to keep a six digit deposit with the respect company to carry forward the projects.



During the meeting various personal issues business and financial issues where been discussed thinking as a part of good communication but later came to know it where the quetionaries set by Amit sir for targeting the capabilities of NSVSM. But due to confidence and hardworking attitude from the second party the contract from the side of Mr.AmitBhagat was signed. Now from the other side it was the turn of Mr. Yogesh Patel to put forth his terms and conditions in front of Amit sir which was been discussed in the same meeting in the later stages. Also the deals from the second side came to be satisfied from amitsirsoo now the contract was been signatories from both sides in a very joyful manner and hence new era started in the business place of NSVSM as well as Pravesh doors. At last as a small token of love before starting the execution of project a small picnic was been organized by Mr. Amit sir with his newly Joined business client in the state of Gujarat letting start of new relations in extremely happy manner. After the successful completion of meeting with Mr. Amit Bhagat, I returned back from the meeting to sangli with an end of extremely successful meet by friendly and happy atmosphere bringing smiles on the face of many Dealers in the states of Maharashtra, Karnatak, Telangana as well as Goa region as mainly most beautiful smiles in the face of Parents.

MY EXPERIMENTS WITH PLASTIC WASTE



Students Gallery

It started to deform and was melting slowly but suddenly it caught fire. Watching this I was horrified and.....!!!!

I have been brought up in a family where our family business is of plastic scrap. Usually I would see tones of plastic waste coming to our factory of which lots of plastic waste was non-degradable one from which I got to know about the problem we will face in the future. If this plastic waste are not treated well. Currently about 56,00,00 tones of plastic waste is dumped in India every year which could pollute surrounding environment, adversely affect human and animal health. And also lead to many problems. Normally plastic items can take up to 1000 years to get totally decomposed in landfill. To save our mother earth from this problem I used to think about all the possible ways to minimize this problem. While studying civil engineering an idea clicks me to utilize plastic waste in construction material.



Mr. Mohsin Memon
T.Y. Civil

I took this idea to my college HOD and other teachers and with their guidance I started to work on it. The biggest question raised was "Where to use plastic in construction material and does it have all that to replace existing materials?" After a lot of trials and experimentation I came to know that in certain sections use of plastic is way better than other materials. With the help of Sir Sujeet Patil HOD of our college I got to know about the best possible type of plastic which could be stronger, economic and give proper required strength and easily available material. Earlier I thought it would be very easy to just melt plastic and convert it into required shape. So I started heating it and I was observing it very keenly. It started to deform and was melting slowly but suddenly it caught fire. Watching this I was horrified and stunned. I didn't understand why it caught fire? Then I got to know that plastic is a petroleum byproduct. After various numbers of permutations and combinations I finally made "Paving Blocks, Bricks" and other materials of plastic. Now I feel that I have done something useful and meaningful to save our Mother Earth. I hope everyone would take their step ahead and accept this so that we would do something good for our nature and utilize the waste as much as possible. Two of my colleagues Ashutosh Sutar and Yogesh Wagdiya helped me a lot to complete this project. This all was impossible without the help of HOD Sujit Patil Sir and other Teachers who gave me the strength and courage to withstand through any tough situation during this project.

POWER PLAY!!!

... Journey of happenings
by Mayuri and Akansha



Lathe Education Society's Polytechnic is renowned Polytechnic in Maharashtra it is well-known for quality academic as well as skill development activities. There is major contribution of students of polytechnic besides faculties for making the polytechnic famous in all respect. In current year 2019-20 our students have proved their duties in various activities.

Here we present account of success of our civil engineering department so...

Let's GO!



Mayuri Ligade
SY Civil



Akansha Akiwate
SY Civil

♦Curriculum Topliners

The result of odd semester is recently declared by MSBTE. Students have been obtained very good marks in this exam.

Let's praise all hard workers....

TY(5th Sem)

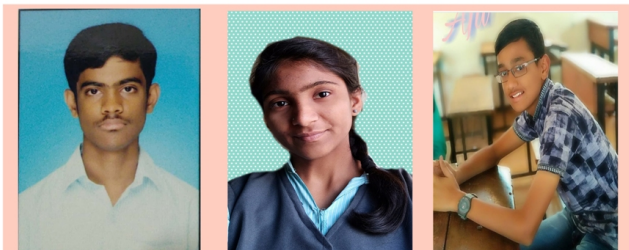
1. Inamdar Arif Babaso: 92.8%
2. Kale Prerana Pradeep: 90.6%

SY(3rd Sem)

1. Jadhav Pallavi Hanamant: 92.33%
2. Sawant Pratik Ghanshyam: 90.33%

FY(1st Sem)

1. Kolhapure Ajinkya Abhijeet: 90.86%
2. Patil Devendra Mahadev: 83.57%



One Day Workshop

One Day Workshop-

ETC is a new subject included in I-Scheme. This topic introduces students to the new skills currently being used in the construction business. Our department organized a one-day workshop on "Software awareness in Civil Engineering" it was in collaboration with Sangli's

famous Software training company Sai Cad Centre Vishrambag. Faculties from Saicad Centre gave demo of popularly used softwares like Revit, Primavera, STAAD Pro, ETAB Program was very much benefited for students, we hope all will acquire software skills in future career.



POWER PLAY CONTINUED...

❑Sports:

Not only in academic but also in sports the students gave their best. The B2 zonal weight lifting tournament was held in Karad. Students of our department had participated in this tournament. All are runner up shown as following.



Zonal Champions

1. Mulla Aakib (TY civil) - 55 kg category.
 2. Ashutosh Sutar (TY civil) - 109+ kg category.
 3. Hasbe Patil Shreejal (TY civil) - 81 kg category.
 4. Onkar Karan (SY civil) - 89 kg category.
- So, we congratulate them for their achievements.

Co-curriculum activities:

A full day industry visit for Second Year students was organized at the beginning of the college. Our department makes every effort to get on site experience. All students were refresh by this activity we will never forget this experience we saw (ACB)Hollow cement Syporex brick, We visited Stone crusher industry at Jaysingpur road , also we visited RMC Plant at Kondigre all tour was well organized and we cleared our technical concepts regarding its manufacturing.



At Shrinivas ACB Industry, Jaisingpur



Stone Crusher Industry near Jaisingpur

Enjoy and Learn.

Let's be knowledgeable as possible and raise the prestige of our society and Latthe PolytechnicAll The Best For Your Future...Jai hind