



Maratha Vidya Prasarak Samaj's
**Karmaveer Adv. Baburao Ganpatrao Thakare
College of Engineering, Nashik**

Permanently Affiliated to Savitribai Phule Pune University, Pune and
Approved by DTE, Maharashtra & AICTE, New Delhi



"STRONG EDUCATIONAL FOUNDATION TO ADVANCE YOUR CAREER"

Department of Civil Engineering

Newsletter

Volume 1 Issue 2

June 2019

Department Vision:

To be the leading department providing quality education to develop competent Civil Engineers, Entrepreneurs, and innovators to serve the nation.

Department Mission:

M1- To provide quality technical education.

M2- To prepare competent students for employment.

M3- To focus on developing values and professional skills.

Program Educational Objectives:

1. To ensure that graduates will have a mastery of fundamental knowledge, problem solving skills, engineering experimental abilities, and design capabilities necessary for entering civil engineering career and/or graduate school.

2. To incorporate verbal and written communication skills necessary for successful professional practice.

3. Demonstrate knowledge of management principles and engineering techniques for effective project management.

4. To prepare graduates to deal with ethical and professional issues, taking into account the broader societal implications of civil engineering

December 2018

1. Field work at Sukhana Dam, Aurangabad District, Maharashtra

In project Phase-I, a field work at Sukhana Dam is done by final year Civil Engineering students: Patil Anant, Patil Vishwajeet, Rathod Akash, Sanap Sanket. These students are doing their project under the guidance of Dr. K. T. Patil and in collaboration with Resource Engineering Centre, Maharashtra Engineering Research Institute, Nashik (MERI).

A five-day visit was arranged to collect the data with the help of DGPS instrument. On first day MDDL (maximum drawdown level) has been marked & on second day marking of FRL (full reservoir level) was done. Then on remaining three days intermediate readings between MDDL and FRL were recorded. Total 885 readings were recorded in DGPS instrument at various points. Daily data was backed up in computer for uploading in Trimble Business Centre software which uploads data directly on Google earth software to get reference for further work. The data will be post processed for determination of sedimentation occurred in reservoir.



Setting up of Base station of DGPS



Taking readings at various points using DGPS Rover

2. Student Achievement

District level Avishkar Competition (Engineering Stream) and guidance to the research contestants was organized at institute in association with IQAC, Savitribai Phule Pune University on 15th December 2018. Research contestants selected by SPPU were participated in this event. **Tanuj Suryawanshi and Nikita Sonawane** and team members of Civil Engineering Department are selected at University Level Avishkar Competition (Level 3) to be held at SPPU on 2nd January 2019.

3. AutoCAD training

Five days training workshop on AUTOCAD was organized by department for second year Civil Engineering students from 14th to 19th December, 2018. Nineteen students from SE Civil has attended the course. This training session was conducted by Dr. S. J. Kadbhane.

4. QGIS training

Five days training workshop on QGIS software was organized by department for final year Civil Engineering students from 21st to 25th December, 2018. Twenty students from BE Civil has attended the course. This training session was conducted by Mr. Vikrant Nikam (Albedo Foundation, Nashik).



January 2019

1. Technical Event REIN4Z19

Department of civil engineering arranged a one-day event named REIN4Z19 on 17th January 2019. CESA committee of department successfully conducted this event which included three events namely Reinforcement, Mock Interview and Photography.

Students from different colleges participated in these competitions. Experts from the respective field were the judges for these competitions. Prizes distributed among the winners. Winners were as follow: Photography 1) Prithviraj Shinde 2) Jayesh Khaire Reinforcement 1) - Chetan Tuplonde and group 2) Shubham and group 3) mock interview - 1) Dhananjay Sonawane 2) Shubham Bagle



2. Student Achievements

Students of TE CIVIL participated in NUKKAD drama competition held at MET BKC, NASHIK on 16th January 2019. They presented an act giving a message of Men Women equality focusing on how the society should not discriminate between a Girl and a boy. The team won the 2nd Prize and were appreciated.



3. Guest Lecture on Opportunities to study abroad

A guest lecture was organised for TE and BE students on 'Opportunities to study abroad' on 29th January 2019. Ms Smita Bhamare guided the students about the procedure to apply and documentation required.



February 2019

1. Workshop on GRAM ++ GIS software

Department of Civil Engineering, conducted a one-day workshop on 2nd February 2019, on “GRAMM ++ GIS”. The Chief Guest for the function was Er. M.M. Kulkarni, MERI Nashik and Er. Bousaheb Khatale, Director, MVP Samaj and Dr. Nanasaheb Patil, Education officer and Principal. The inaugural function was started with prayer and followed by the lighting of the lamp. Dr.M. P. Kadam, Prof. & Head welcomed the gathering. Prof. N. B. Desale, Vice Principal gave a speech and expressed his willingness about the workshop. The Speaker Dr.Deepak Choksi from IIT Bombay informed the students about Gramm ++ GIS software and asked the participants to make the best use of it. Dr. S. J. kadbhane, coordinator of this workshop, gave a vote of thanks.



2. Placements

Abhishek Patil, Kunal Deore, Sanket Sanap, Siddharth Pise, Hrutuja Gawit, Neha Bodake, Pallavi Solase Sayli Nerkar, Amruta Garud are students of BE Civil got selected in campus drive

and placed in Paras CADD Pvt.Ltd., Pune as Jr. Piping Engineers. Mr.Nikhil Hemant Bhoir, a student of ME Civil, selected in Nashik Municipal Corporation as Project Manager for a smart city project

3. Guest Lecture

A guest lecture organised for SE students on ‘Bussiness Opportunities in Civil Engineering’ on 22nd February 2019. Mr. Rahul Pagare from RP Enterprises, Nashik guided the students about the business opportunities in civil engineering.



4. Visit Viridian Valleys

The industrial visit arranged for ME I year students on 20/02/2019, Wednesday to Viridian Vallis, Gangapur Road, Nashik by Sun Infrastructure Ltd. The purpose of the visit was to study and understand material management principles and its application, use of ERP software in the construction industry, use of new technology, i.e. EURO-FORM formwork for speedy construction. The information shared by the team member, i.e. Er. Nishant Shirke of Sun Infrastructure Ltd. was very useful. Firstly, he gave the information related to project as it is constructed on 100 Acre land then he discussed the ERP software and its modules and shown the demo of software for exact application of software on site. Later we visited the site and their

storage area for studying the process of material management. The material manager explained the exact process from requisite of material, preparation of requisite in ERP, issue receipt, record keeping of material, etc. With felicitation of Er. Nishant Shirke and Material Manager visit concluded.



5. Geological Field Visit

The field visit of SE Civil engineering students was arranged on 28/02/2019 to Geological site for the study of various Geological features. During the visit different types of rocks, minerals, geological features are studied. Geological characteristics and civil engineering significance of rocks and Geological structures are explained by subject in-charge Dr. K. T. Patil.



6. Visit the Water treatment plant

Department has organised a visit to the water treatment plant, Nilgiri Bag, Nashik on 4th February 2019 for TE Civil Students. The purpose of this visit is to study the various components of the water treatment plant, to study the various processes involved in water treatment and to study the purpose and working of each water treatment units.



7. Inaugural Function of ACCE (I) Students Chapter

Department of civil engineering arranged opening ceremony of Association of Consulting Civil Engineers (India) Students Chapter on 27th February 2019. Students from SE, TE, BE and ME Civil attended the function. Chief guests from ACCE (I) were invited. Along with the chief guest's committee members of ACCE (I), Nashik Centre was also present for the program. Students Chapter committee members were introduced during the function. Er. Vijay Sanap and Er. Avinash Shirode along with Er. Punit Rai, Er. Anil Kadbhane, Er. Samadhan Gaikwad, all committee members of ACCE (I) Nashik Centre, Vice-Principal of NDMVPS's KBTCOE, Nashik Prof. N. B. Desale and HOD, Civil Engineering Department Dr. M. P. Kadam Inaugurated the Students Chapter. Chief guests and Chairman of ACCE (I) Nashik Centre Er. Punit Rai Guided and discussed the information about the Association of Consulting Civil Engineers (India) with students.



8. Expert talk by Dr. K. T. Patil at R. H. Sapat COE, Nashik

On 27th February 2019, Dr. K. T. Patil, Assistant Professor of Civil Engineering department was invited by Gokhale Education Society, R. H. Sapat College of Engineering Management Studies

& Research Nashik, as an expert lecturer. He has delivered an expert talk on the “Field Geology: Significance in Civil Engineering”. He addressed students of civil engineering department to enhance their Geological knowledge in a civil engineering point of view.



9. Parents Meet

On parents meet on 23rd February 2019 a presentation was delivered by Dr. M. P. Kadam, Head, Civil Engineering Department to all the parents. The presentation highlighted the different co-curricular and extracurricular activities carried out by the department throughout the year, the placements status of the current and the last year batch, result of the students from second year, third year and final year, achievements of the students in the field of Entrepreneurship, Higher Studies, Competitive Exams etc. Dr. M. P. Kadam also informed parents through the presentation about the different industry tie-ups and the research work that is carried out by the students and the faculties. He also gave a brief overview and importance of the National Board of Accreditation (NBA). He also explored to Parents the Programme Educational Objectives(PEO's) and Programme Outcomes (PO's) of the department. He also appealed to the parents to give feedback which will help the department to improve and sustain its quality. Approximately 70 parents were present for the meet and were eager to know about the departmental activities and progress of their ward. Mr. Pawar and Mr. Nitin Thakare were present on the dias as parents representative. They expresses their thoughts regarding improvement in teaching learning process. Mr. Aniket Patil gives anchoring and vote of thanks.



March 2019

1. Visit of Viridian Valleys

The industrial visit was arranged for BE students on 28/02/2019, Wednesday to Viridian Vallis, Gangapur Road, Nashik by Sun Infrastructure Ltd. The purpose of the visit was to study and understand material management principles and its application, use of ERP software in the construction industry, use of new technology, i.e. EURO-FORM formwork for speedy construction. The information shared by the team member, i.e. Er. Nishant Shirke of Sun Infrastructure Ltd. was very useful. Firstly, he gave the information related to project as it is being constructed on 100 Acre land then he discussed the ERP software and its modules and shown the demo of software for exact application of software on site. Later we visited the site and their storage area for studying the process of material management. The material manager explained the exact process from requisite of material, preparation of requisite in ERP, issue receipt, record keeping of material, etc. With felicitation of Er. Nishant Shirke and Material Manager visit was concluded.



2. Visit of bridge site across Godavari River

The site visit was arranged to bridge construction site, across Godavari River, Panchavati, Nashik on 20/3/2019 for final year Civil Engineering students. The visit was conducted under the guidance of Er. Arun Khairnar a Project Manager of B. P. Sanagale Construction Pvt. Ltd., Nashik. Initially, he discussed the history of the bridge which was dismantled by before construction of new bridge. Later on, he gave the information regarding project, i.e. cost, type of bridge, design, time of completion, etc. Then he shown and explained each and every component part of bridge starting from foundation to superstructure it includes pile foundation, pier, abutment, retaining wall, girder, cross girder, deck slab, pavement, bearing, etc. Finally with a question and answer session visit was concluded with the felicitation of Er. Arun Khairnar.



3. Visit of the Solid waste treatment plant and biomedical waste treatment plant

TE Civil students have visited solid waste treatment plant at Vilholi and biomedical waste treatment plant at Dwarka on 6th March 2019. Purpose of this visit is to study the various component parts and processes/methods used in solid waste treatment plant and biomedical waste treatment plant. Mr. Borse has guided students during the visit.



TE students during the visit of Solid waste treatment plant



TE Civil students at biomedical waste treatment plant

4. Visit of RMC plant

The industrial visit was arranged for SE students on 27/03/2019, Wednesday to Viridian Vallis, Gangapur Road, Nashik by Sun Infrastructure Ltd. The purpose of visit was to study and understand working of Ready mixed plant and its layout, use of RMC in construction projects, use of new technology to prepare and transport for speedy construction. The information shared by the team member i.e. Er. Nishant Shirke of Sun Infrastructure Ltd. was very effective. Firstly, he gave the information related to project as it is being constructed on 100 Acre land then he discussed the working of RMC plant and its layout. Later we visited the site and their store area for studying the process of material management. The material manager explained the exact process from requisite of material etc. With felicitation of Er. Nishant Shirke and Material Manager visit was concluded.



SE Civil students at RMC plant

5. Visit of Karda Constructions

On 21st March 2019, TE Civil students have visited a residential site of Karda Constructions near Vishwas Lawns. In this visit they observed reinforcement placing in various components of building like slab, beam, column etc. as per drawing provided by the structural designer.



6. Visit of Kulkarni Constructions

On 21st March 2019, TE Civil students have visited a residential site of Kulkarni Constructions near Rajiv Gandhi Bhavan. In this visit they observed reinforcement placing in various components of building like column, plinth beam and footings etc. as per drawing provided by the structural designer.



7. Lecture on Ethics by Dr M. B. Nakil

On 18th March 2019, expert lecture was arranged on the topic “Ethics in civil engineering”, for the students of Civil Engineering department. The aim of this talk is to implant values and ethics in budding civil engineers, which are essential and important to become a good human being along with engineers. For this lecture distinguished personality Dr. M. B. Nakil, superintendent engineer, CDO, Nashik was invited as a expert. He has delivered talk and interacted with students to enhance professional ethics.



8. Lecture on Geogebra Software by Dr V. D. Barve

Department of Civil Engineering has organized a Guest Lecture for SE Civil students on 26th March 2019. Dr. Vasant Barve, Rtd. Principal, KKWIEER , Nashik has delivered lecture on **“Geogebra Software.”**

Dr.Barve gave a brief introduction about Geogebra Software. He explained the basic functions of Geogebra and its applications in Mathematics and in Fluid Mechanics. In particular, he gave the example of how equations and animation works in Geogebra. It was a very interactive session and it gave a deep insight about Geogebra and its applications.



9. Lecture on Artificial Intelligence by Mr S. A. Talekar

The Department of Civil Engineering, NDMVP'S KBTCOE, had organized a guest lecture on Artificial Intelligence Techniques for the students of B.E. Civil on 21st March 2019. The Speaker for the lecture was Mr S. A. Talekar, who is presently working in the Computer Engineering Department.

In his lecture, Mr. Talekar Sir discussed the various opportunities of Artificial Intelligence in civil construction in current times. He also introduced the various sectors of artificial intelligence techniques like fuzzy logic, Expert system, ANN with many exclusive examples.



10. Expert talk by Charul Baghmar

AIIESEC is the world's largest youth-run organisation. Ms Charul Baghmar of KKWIEER has given brief introduction of an 6 to 8 week international exchange program for students run by AIIESEC.



11. Departmental Advisory Board Meeting

The Meeting of Departmental Advisory Board (Civil Engineering) was arranged on Monday, 18/03/2019 to invite suggestions for the development of department and to assimilate actions and strategies proposed by DAB for quality improvement and to attain vision, mission, PEOs and

PSOs of Civil Engineering Department. Initially presentation is given by Dr. K. T. Patil, about departmental activities, facilities, roles and responsibilities of DAB, objectives and agenda meeting. The discussions are made on refinement of PSO's, academic audit (2017-18) and remarks of PAC. Accordingly suggestions are invited for quality improvement initiatives in context of academics. Eminent personalities like Dr. Nakil M. B., Er. Shirode Avinash, Er. Birari Vilas, Er. Kulkarni Vikram, Mr. Patil V. K., Er. More Bhushan, Er. Bhagwat Kiran, Er. Gunjal Prabhakar N., students representative Ms. Jose Mino, Ms. Kedar Kalyani, Mr. Gangurde Sagar, Mr. Toche Sourabh and all the faculty members of Civil Engineering Department were present for this meeting. This meeting is chaired by vice Principal Prof. Desale N. B. and vote of thanks is given by Dr. Kadam M. P. HoD, Civil Engineering.



12. Sthapatya 2019

On 26th March 2019 Civil Engineering Department of NDMVP Karmaveer Ganpatrao Thakare College of engineering organized STHAPATYA 2K19 under KBT TECH FEST. Sthapatya included technical events like Bridge Making, tower crane, Reinforcement, Brick Bond, Pipe out , Autocad , Buyoncy, Cube test and non-technical events like Photography and debate. Students from all engineering colleges in and around Nashik attended this event in a huge number. The count was almost 200 participants.

13. Conference Papers

Mr A. P. Shelorkar, Mr S. M. Waysal and Mr D. N. Nathe have presented their research paper in UKIERI Concrete Congress which was held at Dr B. R. Ambedkar National Institute of Engineering, Jalandhar, Punjab from 5th to 8th March 2019.



Along with Dr B. Bhattacharjee at UKIERI Concrete Congress

14. STTP attended

Mr M. B. Patil has attended an AICTE QIP STTP on Advances in Water Engineering at Shri Guru Govind Singhji Institute of Engineering and Technology, Nanded from 11th to 15th March 2019.

Editorial Team:

Chief Editor	Dr. M. P. Kadam
Editor	Mr. D. N. Nathe