



# Impact of MoU'S

## Department of Civil Engineering

### ABOUT THE DEPARTMENT

Civil Engineering Department is accomplished with young, energetic, well-qualified, dedicated and experienced faculty in the areas of Structural, Geotechnical, Environmental, CAD structures and Water resources engineering. The department has been organizing various programs to enhance institute-Industry linkage through fieldtrips and workshops.

Every year students of third year are exposed to industries through internship programme of one month duration.

The department has 10 fully functional laboratories which along with academic requirement also cater to the internal revenue generation through testing and consultancy work.

These includes,

1. Strength of materials.
2. Concrete technology.
3. Building construction.
4. Transportation engineering
5. Geotechnical engineering.
6. Fluid mechanics
7. Surveying.
8. Environmental engineering
9. Computer aided design laboratory

### VISION

To be the centre of excellence in civil engineering education and consultancy by providing holistic, innovative and research centric environment and keeping pace with rapidly changing technologies.

## MISSION

- To impart quality education in civil engineering, through effectiveness and innovation in teaching and learning.
- To promote positive interactions among faculty and students and foster networking with alumni, industry and other stake holders.
- To train young minds in soft skills, intellectual and ethical strengths, conducive to globally competitive environment.
- To motivate students for research and entrepreneurship in relevant sectors of society with focus on excellence and creativity.
- To undertake sponsored research and provide consultancy services in all the areas of civil engineering beneficial to the community.

The Department has signed a Memorandum of Understanding (MoU) with the following reputed organisations.

Sr.no	Name of Organisation/Institute	Date of Signing
1	Association of consulting civil engineers (India, Goa Centre)	11 <sup>th</sup> February 2017
2	Alcolab India LLP, Goa	31 <sup>st</sup> July 2019
3	Ultratech Cement Limited	15 <sup>th</sup> October 2019
4	Nanu Estates Pvt. Limited	15 <sup>th</sup> October 2019
5	Prism Johnson Limited (RMC India)	15 <sup>th</sup> October 2019
6	Public Works Department, Goa	7 <sup>th</sup> July 2021

## Alcolab India LLP, GOA

The MoU was signed by Shri. Aakash Khaunte, Managing Director of Alcon-Anil Counto Enterprise and Fr. Kinley D’Cruz , Director of Don Bosco College of Engineering in presence of Dr. Neena Panandikar, Principal and Er. Ashok Kadali from Alcon Anil Enterprises.

The MoU will stress on the Collaborative Activities between ALCOLAB and DBCE, will carry out specialized educational programs like specialized hands on intense training,

focusing on theoretical concepts and working industrial practices for students/faculty members. The MoU will also stress on Joint research and development projects in key fields that are of mutual interest, such as Cement, Concrete, reuse of by-products/wastes. Personnel exchange and visit for sharing knowledge and experience will be also a part of MoU.



## IMPACT of MoU

The BE civil students of Don Bosco College of Engineering attended two days internship on 7<sup>th</sup> and 14<sup>th</sup> March, 2020 at Alcon R&D Plant Kundaim, 2020.

Students, Diksha Bhomka, Maryann B. De Souza, Arya Deshprabhu, Alisha Gaude, Pooja Gawas, Tanvi Kankonkor, Tanushree Saraswat and Sayeeli Kannaik were selected on basis of their marks obtained on the test conducted, to join the internship. On 7<sup>th</sup> they were taught: Rheology of concrete by Sir Mahapatra and dos and don'ts of concrete by Sir Shelly Fernandes. On 14<sup>th</sup> they were taught: Materials Used in Concrete, Supplementary Cementitious Materials, Admixture concepts, Water cement ratio, Micro & Nano Materials by Er. Sadanand Gowilkar, Er. V R Kowshika, Dr. Chintan Jani and Prof. Geetha Laxmi.



The students also presented 4 assignment topics by power point presentation and board and marker explanation. The program ended with question and answer session to assess knowledge gained by the students during the lecture series.

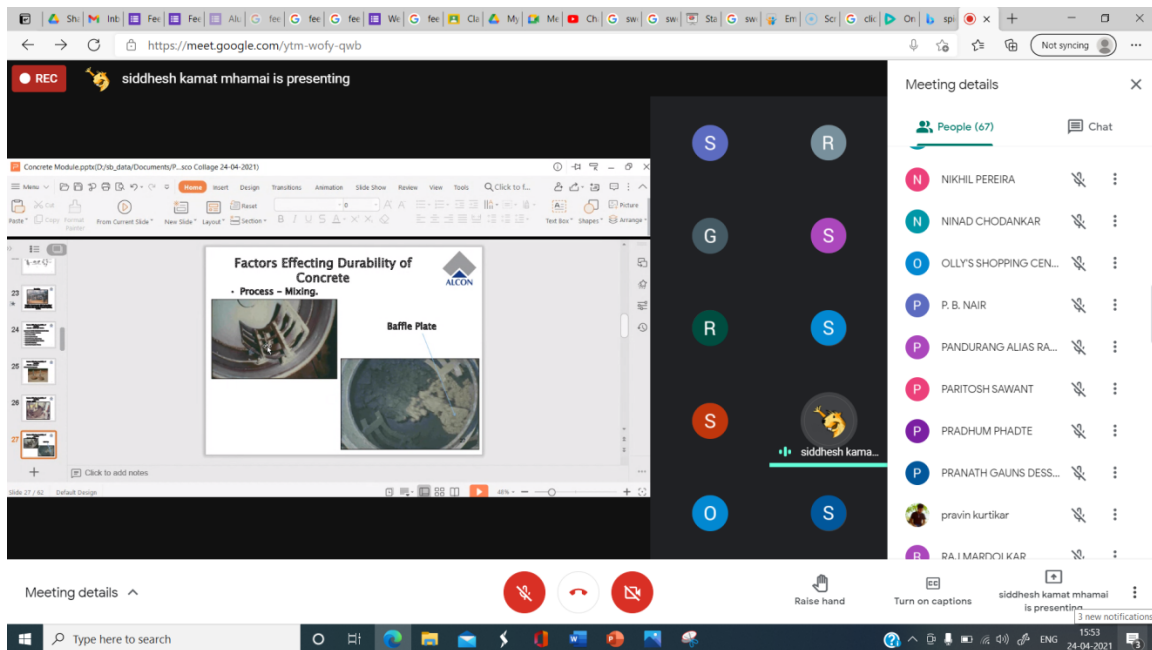
Alcolab India LLP also sponsored a project for a group of B.E students on “Alternative to conventional plasters using lime and surkhi” under the guidance of Prof. Annapurna Sakhardande.

### • **ACTIVITY CONDUCTED**

A Webinar on “Concrete In Practice” was organized by Department of Civil Engineering on 24<sup>th</sup> April 2021 at 3.30pm for second year, third year and final year civil engineering students. The speaker for the session was Mr. Siddhesh R. Kamat Mhamai, DGM, QCP, Alcolab India LLP, Goa. He gave an insight to the students on properties of concrete like cohesiveness, workability and factors effecting workability. He stated that workability decreases with time. Ready mix concrete is more workable as drum of transit mixer rotates continuously and agitates concrete, but on site it depends on efficiency of the workforce. Quantity & characteristics of cementing materials affect workability and it is also affected by concrete batching consistency, aggregate grading, shape and surface texture. He explained effect of adding water to concret wherein it was mentioned that with more water addition compressive strength decreases. Workability is affected by ambient air temperature and also admixtures.


He highlighted on factors affecting durability like silt content, mixing and process involved in transporting, placing, compacting and curing. Silt content increases water demand and concrete becomes more porous. He focused on factors affecting measured cube strength, representative sampling (IS 1199), assembling of cube MoUlds, casting of cubes (IS 516). He explained how to maintain de-MoUlded cubes in water at righth temperature, correct mode of cube failure in CTM and purpose of quality control to store cube MoUlds. All together 72 participants attended the session. The talk was organized to enlighten students on practical applications of concrete to follow proper methods of mixing, casting, testing etc for better quality work.

The Faculty coordinators are Asst Prof. swaroopa Sail and Asst Prof. Starina Dias.



**DON BOSCO COLLEGE OF  
ENGINEERING  
DEPARTMENT OF CIVIL  
ENGINEERING**

**WEBINAR ON  
"CONCRETE IN PRACTICE"**  
Saturday,  
24th April 2021 @ 3.30pm Join using link  
<https://meet.google.com/ytm-wofy-qwb>



**SPEAKER:  
SIDDHESH R KAMAT  
MHAMAI**

**ALCOLAB(INDIA) PVT LLP  
DY. GENERAL MANAGER  
FOR R&D AND AUDITS**

**FACULTY COORDINATOR: PROF. SWAROOPA SAIL  
PROF. STARINA DIAS**

## Ultratech Cement Limited

The MoU will stress on the collaborative activities between Ultratech cement limited and DBCE, will carry out specialized educational programs like specialized hands on intense training, focusing on theoretical concepts and working industrial practices for students/faculty members. The MoU will also stress on joint research and development projects in key fields of civil engineering. Personnel exchange and visit for sharing knowledge and experience will be also a part of MoU.





- **ACTIVITY CONDUCTED**

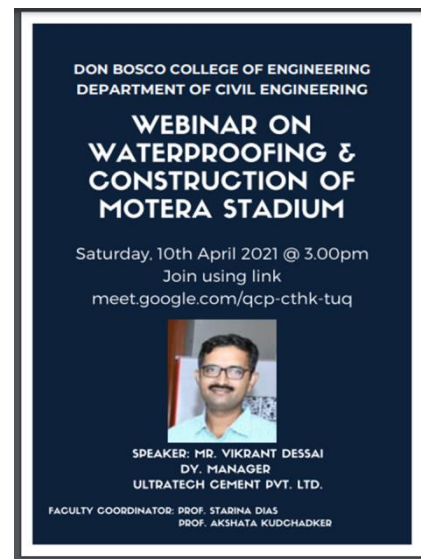
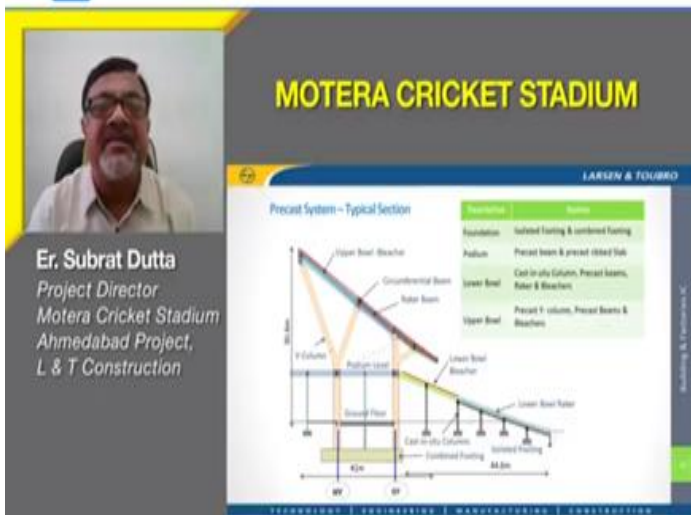
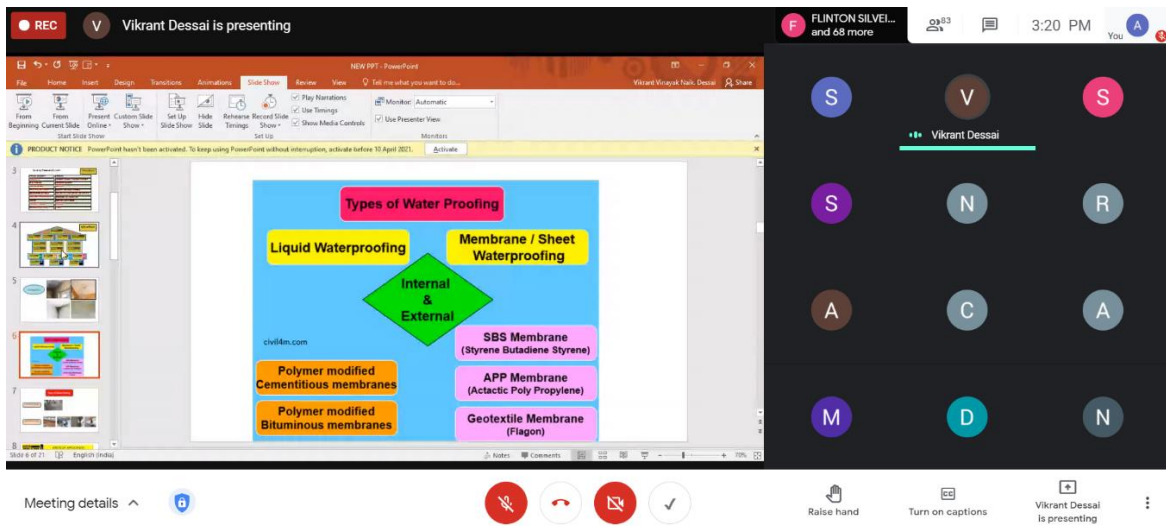
The Department of Civil Engineering of Don Bosco College of Engineering conducted a webinar on Water Proofing solutions by Ultra tech Cement Pvt. Ltd on 10<sup>th</sup> April 2021. The webinar was attended by Civil Engineering students of SE, TE and BE.

The speaker for the session was Mr. Vikrant Dessai, from Ultra Tech Cement Pvt. Ltd. In his session he spoke about various types of Waterproofing, its importance and different waterproofing products offered by Ultra tech cement. He also discussed about the various areas of the structure which requires attention with respect to waterproofing.

The second session of the webinar was a recorded video shared by Ultra tech cement on the Construction of Motera Cricket Stadium -The largest cricket stadium in the world which was delivered by Er. Subrat Dutta, Project Director, Motera Cricket Stadium, Ahmedabad Project, L&T Construction. The speaker spoke about technicality, design and construction process of the stadium which was very beneficial to our students.

In all 83 students and faculty members from Civil Engineering Department attended the webinar.

The webinar was coordinated by Assistant Professor Starina Dias and Assistant Professor Akshata Kudchadker.



## Nanu Estates Pvt. Limited

The MoU was signed by Er. Niresh P. Naik, Managing Director of Nanu Estates Pvt. Limited and Fr. Kinley D'Cruz, Director of Don Bosco College of Engineering in presence of Dr. Neena Panandikar, Principal and HOD Dr. Shwetha Prasanna.

The MoU will stress on the Collaborative Activities between Nanu Estates Pvt. Limited and DBCE, will carry out specialized educational programs like specialized hands on intense training, focusing on theoretical concepts and working industrial practices for students/faculty members. The MoU will also stress on joint research and development projects in key fields of civil engineering. Personnel exchange and visit for sharing knowledge and experience will be also a part of MoU.



### Prism Johnson Limited (RMC India)

The MoU was signed by Mr. Pankaj Shrivastava, Vice president of Prism Johnson Limited (RMC India) and Fr. Kinley D’Cruz, Director of Don Bosco College of Engineering in presence of Dr. Neena Panandikar, Principal, HOD Dr. Shwetha Prasanna and Mr. Ashwin Kamat.

The MoU will stress on the collaborative activities between Prism Johnson Limited (RMC India) and DBCE, will carry out specialized educational programs like specialized hands on intense training, focusing on theoretical concepts and working industrial practices for students/faculty members. The MoU will also stress on joint research and development projects in key fields of civil engineering. Personnel exchange and visit for sharing knowledge and experience will be also a part of MoU.





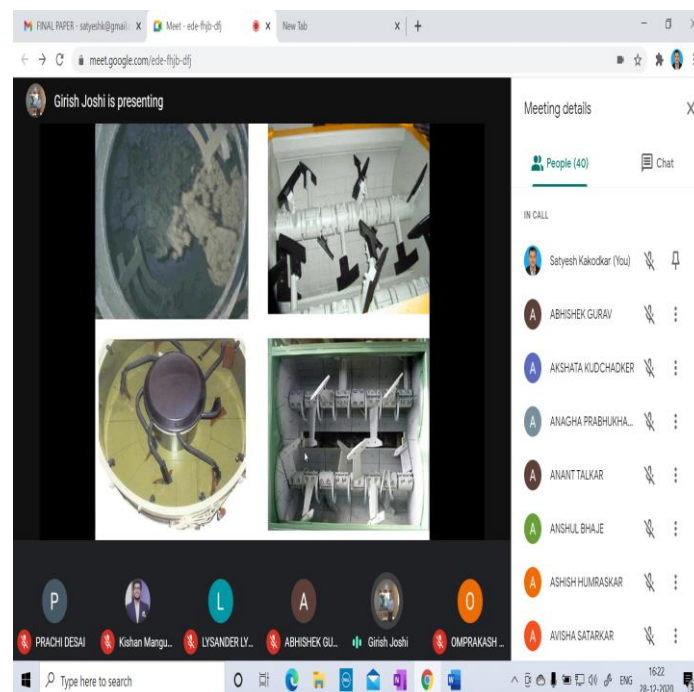
## • ACTIVITY CONDUCTED

A webinar for the students of Civil Engineering Department of Don Bosco College of Engineering was organized by Prism Johnson Limited on 28<sup>th</sup> Dec. 2020. Recently department has signed a MoU with Prism Johnson Limited. Mr. Girish Joshi, Zonal Head, Marketing and Customer Service Group were the speaker.

Mr. Joshi while addressing elaborated the role of Concrete in construction industry and how in recent past the developments have taken place in the field of Concrete Technology. Mr. Girish Joshi also explained the various properties of concrete which made concrete as one of the prime materials in construction industry.

Further addressing the students, Mr. Joshi enlightened the different tests performed on fresh and hardened concrete. Seven holy steps of concrete manufacturing were elaborated by Mr. Joshi. Further in his talk, Mr. Joshi, highlighted how curing plays a role in making better concrete and explained the various methods of curing. Lastly, he explained the innovative technologies adopted by Prism Johnson, wherein he showcased 15 different type of innovative items manufactured at the plant.

Mr. Gaurish Bhartu, Assistant Manager, Customer Service took the students through the virtual gallery of Prism Johnson. Prof. Satyesh Kakodkar, Assistant Professor-Civil, coordinated the programme.



## Public Works Department , Goa

The Department of Civil Engineering - Don Bosco College of Engineering (DBCE), Fatorda signed a MoU with Public Works Department, Goa in a small function held at Panaji on July 7<sup>th</sup>, 2021. Shri. Uttam Parsekar, Principal Chief Engineer represented the Public Works Department while Fr. Kinley D’Cruz - Director and Dr. Neena S. P. Panandikar - Principal represented Department of Civil Engineering, Don Bosco College of Engineering.

The purpose of MoU is to strengthen Industry-Academic relationship for mutual benefit, to build fruitful and mutual relations, and propose to offer programs of mutual interest. It will also help to collaboratively identify common areas of interest in the sector of sustainable water distribution, transportation network and facilities, Geotechnical and Structural works for further study, research and documentation.

The MoU will focus to carry out studies in existing and new academic frameworks to yield a better public understanding of the problem areas and to suggest social, economic and technological solutions. Stress on developing academic and research frameworks suitable for training of students in upgrading their skills is also a part of MoU.

Shri. Amar Vazirani - Superintending Engineer, Shri. Kishore Kolwalkar– Engineering Officer, Dr. Shwetha Prasanna –Head of Civil Engineering. Department - DBCE- and Prof. Satyesh Kakodkar – Assistant Professor, Department of Civil Engineering - DBCE was present on the occasion.

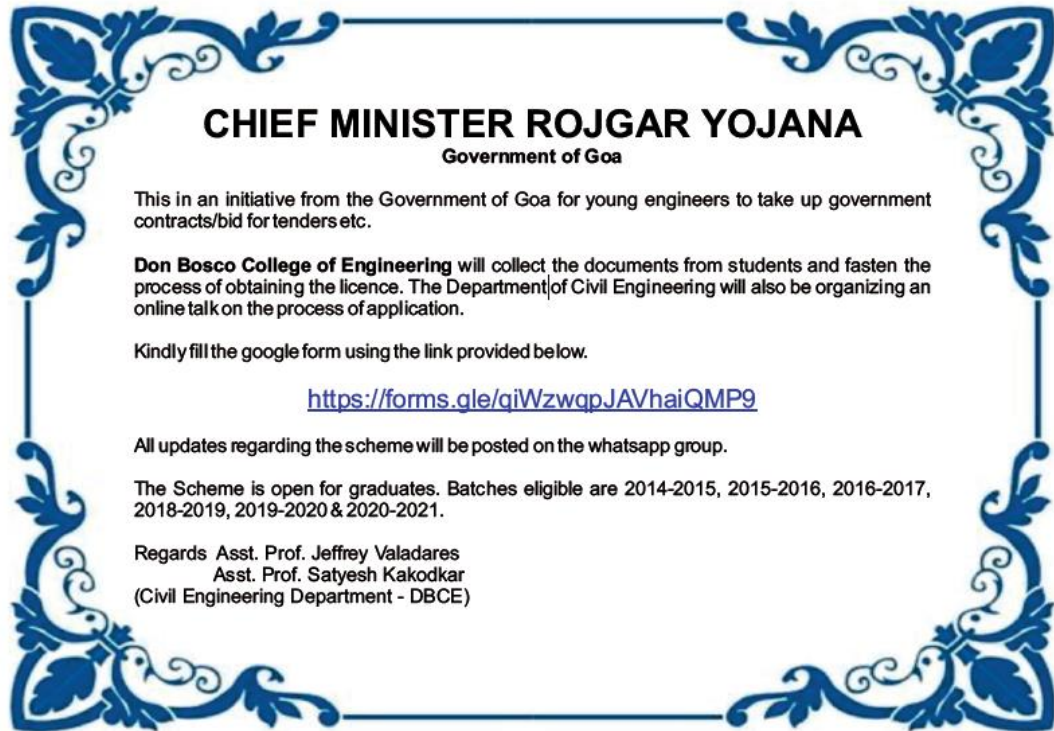


- **ACTIVITY CONDUCTED**

A webinar on enlistment procedure under CMRY scheme 2020 for Engineering Professionals which is announced by Public Works Department, Govt. of Goa was conducted by Prof. Satyesh Kakodkar and Prof. Jeffrey Valadares, Assistant Professors in

Civil Engineering of Don Bosco College of Engineering on 30<sup>th</sup> August 2021. 30 students from among the alumni joined the meeting.

The students were explained about the scheme they were asked to submit their detail documentation to the faculty in charge for smoothing the process of obtaining the license.



**CHIEF MINISTER ROJGAR YOJANA**  
Government of Goa

This is an initiative from the Government of Goa for young engineers to take up government contracts/bid for tenders etc.

**Don Bosco College of Engineering** will collect the documents from students and fasten the process of obtaining the licence. The Department of Civil Engineering will also be organizing an online talk on the process of application.

Kindly fill the google form using the link provided below.

<https://forms.gle/qiWzwqpJAVhaiQMP9>

All updates regarding the scheme will be posted on the whatsapp group.

The Scheme is open for graduates. Batches eligible are 2014-2015, 2015-2016, 2016-2017, 2018-2019, 2019-2020 & 2020-2021.

Regards Asst. Prof. Jeffrey Valadares  
Asst. Prof. Satyesh Kakodkar  
(Civil Engineering Department - DBCE)

Compiled By: Asst. Prof. Saddiya Shaikh

Read & Verified by: Dr. Shwetha Prasanna