



Impact of MoU'S

Department of Civil Engineering

2021-2022

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	Alcolab India LLP, Goa	31 st July 2019
2	Ultratech Cement Limited	15 th October 2019
3	Nanu Estates Pvt. Limited	15 th October 2019
4	Prism Johnson Limited (RMC India)	15 th October 2019
5	Public Works Department, Goa	7 th July 2021

Alcolab India LLP, GOA

A memorandum of understanding (MoU) was signed between Alcon-Anil Counto Enterprise (ALCOLAB) and Don Bosco College of Engineering (DBCE) in a formal ceremony. The signing of the MoU took place in the presence of Shri. Aakash Khaunte, Managing Director of Alcon-Anil Counto Enterprise, Fr. Kinley D’Cruz, Director of Don Bosco College of Engineering, Dr. Neena Panandikar, Principal of DBCE, and Er. Ashok Kadali from Alcon-Anil Enterprises.

The MoU focuses on fostering collaborative activities between ALCOLAB and DBCE. Specialized educational programs will be organized, offering hands-on and intense training to students and faculty members. These programs will concentrate on bridging the gap between theoretical concepts and practical industrial practices. By providing industry-specific training, the



MoU aims to equip students and faculty with the necessary skills and knowledge to excel in their respective fields. Furthermore, the MoU emphasizes joint research and development projects in areas of mutual interest, including Cement, Concrete, and the reuse of by-products and wastes. Through these collaborative projects, both organizations aim to contribute to advancements in sustainable practices and innovative solutions in the construction industry.

The signing of the MoU between ALCOLAB and DBCE marks the beginning of a collaborative partnership aimed at promoting specialized educational programs, joint research and development projects, and knowledge sharing initiatives. This alliance is expected to create valuable opportunities for students, faculty members, and professionals to enhance their skills, contribute to the industry's growth, and pave the way for innovative solutions in the field of construction.

Ultratech Cement Limited

The MoU will stress on the collaborative activities between Ultratech cement limited and DBCE, and 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 also be also a part of the MoU.

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. Dr. Neena Panandikar, Principal, HOD Dr. Shwetha Prasanna, and Mr. Ashwin Kamat were also present during the signing.



The MoU aims to foster collaboration between Prism Johnson Limited (RMC India) and DBCE. It involves specialized educational programs such as hands-on training, theoretical concepts, and practical industrial practices for students and faculty members. Joint research and development projects in civil engineering will also be emphasized. Additionally, the MoU includes personnel exchange and visits to facilitate knowledge and experience sharing.

ACTIVITIES CONDUCTED under Prism Johnson Limited

Field Trip to RMC Plant, Vasco

A field trip was organized for Second Year Civil Engineering students to the R.M.C Plant in Vasco on May 23, 2022. The visit aimed to provide practical learning experiences and familiarize the students with the production of ready-mix concrete. Accompanied by Er. Sunil, the students gained insights into the plant's operations.

Er. Sunil highlighted the significance of the Central Laboratory at the R.M.C plant in Vasco, where ready-mix concrete of various grades is prepared to meet client specifications. The students learned about the meticulous testing and quality control procedures conducted in the laboratory to ensure concrete consistency and performance. They also observed the intricate mechanisms involved in a concrete mixing plant.

The field trip to the R.M.C Plant Vasco provided valuable hands-on experience to the Second Year Civil Engineering students, enhancing their understanding of concrete mixing.

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 7th, 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.



ACTIVITIES CONDUCTED under PWD MOU

Field trip to Zuari Bridge

In line with the Memorandum of Understanding (MOU) signed between the Public Works Department (PWD) and Don Bosco College of Engineering, a site visit was conducted on November 8, 2022. Prof. Satyesh Kakodkar and Prof. Jonessa Ferrao accompanied the civil engineering students from the SE, TE, and BE programs to Manohar Setu, also known as Zuari Bridge.



During the visit, Mr. Deogonda Patil, Deputy Project Manager of Dilip Buildcon Limited, provided valuable insights to the students about the project. He explained the process of cable pre-stressing in the bridge construction. The students had the opportunity to observe the application of a 70mm bitumen coat, which was subsequently compacted to 50mm. Accompanying Mr. Patil were Mr. Dyaneshwar Deshmukh, Senior Manager (Planning and Billing), Mr. Dilip Rote, Liaison Manager, and Mr. Ranjeet K P, Safety Officer of Dilip Buildcon.

Additionally, Mr. Atul Joshi, Vice President of Dilip Buildcon, assisted the college authorities in obtaining the necessary permissions for the visit. The field visit served as a valuable experience for the students, providing them with practical insights into the construction of the Zuari cable-stayed bridge.

Webinar Informs Engineering Professionals about CMRY Scheme 2020 Enlistment Procedure

A webinar addressing the enlistment procedure under the CMRY Scheme 2020 for Engineering Professionals, announced by the Public Works Department (PWD), Government of Goa, was conducted by Mr. Satyesh Kakodkar, Assistant Professor in Civil Engineering at Don Bosco College of Engineering on June 10, 2021. Mr. Kakodkar commenced the webinar by providing an overview of the PWD and its significant role in the economic, commercial, and touristic development of Goa. He emphasized the diverse sectors within the PWD and the wide range of job opportunities available in these sectors. Addressing the students, Mr. Kakodkar elaborated on the benefits, eligibility criteria, and enlistment procedure of the CMRY scheme. He offered valuable insights into how the scheme can be advantageous for students and their professional growth. Additionally, he provided a detailed explanation of the form-filling process and the necessary documents required for enlistment.

The students actively engaged in the discussion by posing relevant questions and displaying a keen interest in the scheme. The webinar proved an informative session, equipping the engineering professionals with essential knowledge about the CMRY Scheme 2020 and its enlistment process. Total of 58 students have registered for the following scheme.

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