
BLUEPRINT

Civil Engineering Department's Newsletter Volume 07, Issue 01, July 2022-December 2022

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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.

FACULTY CORNER

R&D session

Construction and Demolition (C&D) materials consist of the debris generated during the construction, renovation and demolition of buildings, roads, and bridges. C&D materials often contain bulky, heavy materials such as Concrete, Wood (from buildings), Asphalt (from roads and roofing shingles), Gypsum, Metals, Bricks, Glass, Plastics etc. As nature resources such as sand are limited in nature. The recycling construction and demolition waste is profitable way to produce aggregates and reuse valuable materials that would otherwise be disposed. Prof. Nadya Baracho presented a session on Assessment of C&D waste in Goa for reuse in which studies were carried out on the application of construction and demolition waste and discussed its feasibility. Waste was sourced from nearby construction and demolition sites and tests as per IS code for acceptance.

Prof. Shruti Jambhale presented a topic on Overview of Coastal Regulation Zone (CRZ). Under the section 3 of Environment Protection Act, 1986 of India, Coastal Regulation Zone notification was issued in February 1991 for regulation of activities in the coastal area by the Ministry of Environment and Forests (MoEF). It is related to management and conservation of marine and coastal ecosystems, development in coastal areas, eco-tourism, livelihood options and sustainable development of coastal communities etc. Prof. Shruti Jambhale went into great detail on the relevance of CRZ and how it relates to Goa's beaches.

This R&D session was organized by the Department of Civil Engineering, Don Bosco college of Engineering on 24th September 2022 for the faculty as a per of knowledge enhancement program.

PAPER/ JOURNAL PUBLICATIONS

Author Name	Title of Paper	Details	National/ International
Dr. Shwetha P	Utilization of fly ash and rice husk in soil stabilization	Journal of Geology & Geophysics, Vol.11 (5), 1-6	International

Prof Kaushik V Pai Fondekar has been ranked as a topper of 5% in the NPTEL course in Design Of Reinforced Concrete Structures.

WORKSHOPS PARTICPATED

Name of the Faculty Participated	Training Programmes	Date	Organization
Dr. Shwetha P.	Participated and successfully completed online FDP “ Applications of AI and ML in Civil Engineering	27/10/22- 25/11/22	Department of Civil Engineering, RVR&JC college of Engineering, AP
Dr. Shwetha P.	Participated in webinar on “ Applications of AI and ML and deep learning in contaminated site remediation” Civil Engineering	4/11/22	Department of Civil Engineering, RVR&JC college of Engineering
Dr. Shwetha P.	Participated in webinar on “ Neural network & fuzzy applications in traffic flow modelling”	3/11/22	Department of Civil Engineering, RVR&JC college of Engineering
Dr. Shwetha P.	Participated in one day workshop on POSH	1/11/2022	V.M. Salgaocar college of Law & GIPARD
Prof. Swaroopa Sail	Participated and successfully completed online FDP “ Applications of AI and ML in Civil Engineering	27/10/22- 25/11/22	Department of Civil Engineering, RVR&JC college of Engineering, AP

Prof. Kaushik Fondekar	Completed NPTEL course on Design of reinforced concrete structures	Jul-Oct 2022	NPTEL
Prof. Kaushik Fondekar	Completed NPTEL course on Bio medical nanotechnology	Aug-Sep 2022	NPTEL
Prof. Kaushik Fondekar	Participated in 3 days Field training cum implementation workshop on Coastal erosion control by Bio-Engineering measures	3/11/2022- 5/11/2022	GEC & National Institute of disaster management
Prof. B. R. Anirudha	Participated in 3 days Field training cum implementation workshop on Coastal erosion control by Bio-Engineering measures	3/11/2022- 5/11/2022	GEC & National Institute of disaster management

WORKSHOPS/ FIELD TRIP/WEBINARS CONDUCTED

Name of Faculty/Resource person	Workshop/Seminar	Date
Prof. Shruti Jhamble and Prof Nadya Baracho	Mix Design Workshop for PWD Engineers	14th oct 2022
All Faculty members	Fieldtrip to Mopa	10th Nov 2022

STUDENTS CORNER

INSTALLATION OF CESA COUNCIL 2022-2023



The installation ceremony of the CESA council for the batch of 2022-23 took place on 9th September 2022 at Don Bosco College of Engineering, Fatorda Goa. The host Mr. Rohan Veigas addressed the gathering by introducing to us the Chief Guest Engineer Mr. Ritesh Singh (National Business Development Manager, sealing and bonding and also the regional sales head for Maharashtra and Goa and working at chemical company-SIKA India Pvt. Ltd), Guest of Honor Dr. Yogini Deshpande (Renuka Consultancy, Technical Director O. P. Jindal University, Chair professor of Civil Engineering Department.), Our Director Rev.Fr. Kinley D’cruz, Our Principal Dr.Neena Panandikar, Our Registrar Dr.Kala Nayak and Head Of Civil engineering department Dr. Shwetha Prasanna. The ceremony continued by the lighting of the lamp and as the outgoing chairman Mr. Gul Ahmed Sheikh as he shared his experiences to the audience. The gathering was then addressed by the Head Of Civil Engineering department who informed us the activities headed by the previous council.

In the later half the Professor Shruti Jambhale introduced the newly elected CESA Council members to the gathering.

The installation process was later followed by 2 technical presentations. The first presentation was given by Engineer Ritesh Singh who spoken on the theme: Edging towards a connected future. He introduced solutions to challenges at construction sites through construction chemicals. He introduced the existing technologies like: self-healing concrete, concrete roads which can charge electric vehicles, robotic construction/3D printing, structural strengthening, etc. He also introduced SIKA's researched and developed products like SIKA CARBODUR and SIKAWRAP SYSTEM (for strengthening beams, slabs ,columns), SIKA SOLUTIONS FOR PRECAST CONSTRUCTION, SIKA SOLUTIONS: JOINTS AND CONNECTION IN PRECAST

Later Engineer Atul Vaidya (waterproofing expert) explained about waterproofing admix: waterproofing additive-power/liquid and crystalline additives and coatings, waterproofing mortars: cementious acrylic coating and crystalline coatings ,pre-formed membranes: EPDM/PVC/TPO/APP/SBS, Liquid applied membrane which in turn is divided into may sub-sections and waterproofing application: re-roofing, metal row waterproofing, concealed waterproofing etc. their characteristics, advantages, general system built-up etc, requirements for waterproofing systems, physical parameters, surface preparation and application.

STUDENT NPTEL PERFORMANCE

Name (s) of Students	Course	Date(s)	Organised by
Rachel Abigail Fernandes	Principles and Applications of Building Science	July- Dec 2022	NPTEL
Yashdeep Suresh Naik, Brendon Raymond Aneil Chateaubriand Rodrigues	Building Materials And Composites	July- Dec 2022	NPTEL
Dinesh Joseph John Lopes Pereira	Architectural Conservation And Historic Preservation	July- Dec 2022	NPTEL
Luella Sequeira, Clarita De Souza, Kritha Rajan, Dinesh Joseph John Lopes Pereira, Prinston Fernandes,	Soft skills	July- Dec 2022	NPTEL

**Raj Manoj Mardolkar,
Saish S Malvekar,
Saishree Shirodkar,
samarth marathe,
Sumedh Rajendra
Shetgaonkar,
Sankalp Tuenkar,
Sonam Shailesh Bhagat,
Sudesh Dashrath Shelar,
Hazim,Khorjuvenkar
Devashish Ramdas,
John Joseph Reji**

Raylan Anthony Palmeira	Soft Skills For Business Negotiations And Marketing Strategies	July- Dec 2022	NPTEL
Dhanraj Shetkar	Wastewater Treatment And Recycling	July- Dec 2022	NPTEL
John Joseph Reji	Sustainable Architecture	July- Dec 2022	NPTEL
Ruhi Dilip Kamat, Valanka Glowina Rodrigues, Siddhi Parvatkar, Ayanaa Inamdar	Foundation Engineering	July- Dec 2022	NPTEL
Rohan Joseph Viegas	Plastic Waste Management	July- Dec 2022	NPTEL
Shubham Prashant Kamat, Varad Vishwajit Shirodkar	Design Of Reinforced Concrete Structures	July- Dec 2022	NPTEL
Clarita De Souza	Plastic Waste Management	July- Dec 2022	NPTEL
John Joseph Reji	Modern Indian Architecture	July- Dec 2022	NPTEL
Dinesh Joseph John Lopes Pereira, Shubham Prashant Kamat, John Joseph Reji	Public Speaking	July- Dec 2022	NPTEL

Pranath Gauns Dessai	Advanced Concrete Technology	July- Dec 2022	NPTEL
Varad Vishwajit Shirodkar	Integrated Waste Management For A Smart City	July- Dec 2022	NPTEL

WORKSHOP/FIELD VISIT/ TRAININGS

Name of Faculty	Course	Class & Sem	Date
Prof. Shruti Desai, Prof. Starina Dias and Prof. Jonessa ferrao	AutoCAD training	SE civil students	12th Sep 2022
Prof. Shruti and Prof. Nadya Baracho	Mix Design Workshop	TE and BE students	26th Nov 2022
Prof. Satyesh Kakodkar and Prof. Swaroopa Sail	Project Competition	BE students	29th sep 2022
Prof. Starina Dias, Prof. Jeffrey Valadares, and Prof. Oswyn Soares	Field visit to Lotus towers- Manas developers' site in Panjim, Basilio Heights phase 2 in St Inez, and the district court in Merces	SE CIVIL students	7th oct 2022
Kaushik Pai Fondekar, Prachi Dessai and Shruti Dessai	Field visit to Opa water treatment plant and RMC plant at Kundaim, Ponda	TE CIVIL students	7th oct 2022
Prof. Satyesh Kakodkar and Prof. Jonessa Ferrao	Field visit to Zuari Bridge	TE Civil students	8th Nov 2022
Prof. Avil D'sa and Prof. Sharad Shanbagh	Project Competition	SE Civil Students	17th Dec 2022

WEBINAR/SEMINAR

Name of Faculty/Resource person	Webinar/Seminar	Date
Mr. Kanwarjit Nagi Bachelor of Architecture School of Planning and Architecture, New Delhi	Talk on “Bamboo, a single material: a thousand products”	10th oct 2022
Er. Pravin Kumar Agarwal (Director of Centre Public Works Department, Goa) & Dr.Yogini Deshpande (Technical Director of Renuka Consultants)	The Institution Industry Cell (IIC) and Department of Civil Engineering – Don Bosco College of Engineering organized ‘TechTalks’ – Edging towards a connected future	9th Sep 2022

PARTICIPATION IN CULTURAL ACTIVITIES

Name (s) of Students	Type & Level of Cultural Activities	Date(s)	Organised by
Chirag R. Verenkar, Akshay Naik, Rahul R. Betkekar, Samarth Marathe	Inter college Ghumat Arti competition	20/10/22	Goa University
Sanat Prabhudessai	SANKRITI AutoCAD	20 th to 21 st October 2022	Don Bosco College Of Engineering
Abhishek Jaiswal	SANKRITI 2022 “Truss Design”	20 th to 21 st October 2022	Don Bosco College Of Engineering
Abhishek Jaiswal	SANKRITI 2022 “Slump Test”	20 th to 21 st October 2022	Don Bosco College Of Engineering
Rahul Batkekar	All Goa Ghumat Aarti competition	15/10/22	P.E.S’s R.S.N College of arts & science
Rahul Betkekar	All Goa Intercollege Ghumat Aarti competition	27/08/22	Cultural Assosiation of DMC

PARTICIPATION IN SPORTS ACTIVITIES

Name(s) of Students	Award/Prize won	Date (s)	Organised by
Aleister Gomes	2 nd place in Inter college weightlifting competition	23/08/ 2022	Goa University
Saishree Shirodkar	10 km: student-women category Marathon 2022	18/12/2022	Goa University
Alwaz Shah	Inter college Reliance Foundation Youth Sports Football 2022- 23	2022-2023	Reliance
Krish Sharma	University level badminton tournament	14th to 16 th Sept 2022	Goa University
Sahil Dessai	Inter college Powerlifting competition	23/08/22	Goa University

PARTICIPATION IN TECHNICAL ACTIVITES

Name of the Student	Seminar/Workshop/ Technical Events/Conferences/Training programmes etc.	Date(s)	Organised by
Clarita De Souza	“Content writing Masterclass”	2022	Digital Deepak
Grishmaa Bandodkar, Valanka Glowina Rodrigues, Ayanaa Inamdar, Siddhi Parvatkar, Sanat Sandeep Prabhudessai, Aastik Prashant Salaskar, De Souza Clarita, Rodrigues Angel, Fernandes Rachel Abigail, Viegas Rohan Joseph, Kamat Ruhi Dilip, Sutar Vishal Ashok, Shinde Kartik Namdev, Palmeira Raylan Anthony, Naik Trinay Dina, Vaz Leonardo Caetano Francisco, Luis Amanda Jill, Gomes Aleister, Fernandes Prinston, Rajan Kritha, Fernandes Wallance Xavier, Dias Joshua Anthony, Lopes Pereira Dinesh Joseph John, Sequeira Luella Livia, Shirodkar Saishree Rajendra, Kamat Shubham	“Student member of youth forum for water”chapter of IWWA	29/11/22	Indian water works Association

Prashant, Nevli Dikshita & Prabhukhadpe Anagha Abhat.			
Ayanaa Inamdar	Bamboo:Single material;a thousand plus products	10/10/22	NDLI Club of DBCE,Fatorda
Krish Sharma	Business Idea Competition	10/09/22	Entrepreneurship cell uner EIS audit course of DBCE, Fatorda
Harishabh Bhat, Akash Naik, Gaurav Shetgaonkar, Snevisha Rodrigues, Vardhan R.S. Natekar, Lysander Frinindes,Ramnath Nayak,Paritosh Sawant,Pradhun Phadte	Attended as a delegate in the 9 th Civil Engineering Conference in the Asian Region (CECAR9) of Asian Civil Engineering Coordinating Council	21 st -23 rd September 2022	The Institution Of Civil Engineers (India)
Tanishq Kulkarni	Attended as an Expert Speaker on “Flood Analysis And Mapping For Mandovi River Basin” in the 9 th Civil Engineering Conference in the Asian Region (CECAR9) of Asian Civil Engineering Coordinating Council	21 st -23 rd September 2022	The Institution Of Civil Engineers (India)
Rohit Ravi	Attended as an Expert Speaker on “Experimental Study On Waste Rubber Chips And Brick Powder For Soil Stabilization” in the 9 th Civil Engineering Conference in the Asian Region (CECAR9) of Asian Civil Engineering Coordinating Council	21 st -23 rd September 2022	The Institution Of Civil Engineers (India)