

BLUEPRINT

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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

PAPER/ JOURNAL PUBLICATIONS

Author Name	Title of Paper	Details	National/ International
Tanishq Kulkarni, Tarun Gupta, Imam Husen Desai, Akash Naik, Nashville Dias, Dr.Shwetha Prasanna	Flood analysis and mapping for Mandovi river basin	Sustainable design and eco technologies for infrastructure (CECAR 2022) pp 323-329	National
Rohit Ravi, Hrishabh Bhat, Ramnath Nayak, Pradhun Phadte, Paritosh Sawant, Shwetha Prasanna, Kaushik Pai Fondekar	Experimental study on waste rubber chips and brick powder for soil stabilization	Sustainable design and eco technologies for infrastructure (CECAR 2022) pp 147-155	National

WORKSHOPS PARTICPATED

Name of the Faculty Participated	Training Programmes	Date	Organization
Dr. Shwetha P.	Participated and completed	9th to 14th	National Institute
Prof.Swaroopaa Sail	AICTE training and learning (ATAL) academy FDP on	December	of Technology,
Prof. Jonessa Ferrao	Frontiers in Sustainable and	2024	Goa
Prof. Genevieve Fernandes	Resilient practices in Civil Engineering		

WORKSHOPS CONDUCTED

Name of Faculty/Resource person	Workshop/Seminar	Date
Prof. Nadya Baracho and Prof. Starina Dias	AutoCAD training	13th July 2024
Prof Shruti Jambhale	Mix Design Workshop	25th October 2024

STUDENTS CORNER

INSTALLATION OF CESA COUNCIL 2024-2025

The installation ceremony of the CESA (Civil Engineering Student Association) and C-CODES council of Computer engineering for the batch of 2024-25 took place jointly on 24th August 2024 at Don Bosco College of Engineering, Fatorda Goa. This council organizes activities like educational field trips in the state and out of the state of Goa, lectures by professionals and distinguished practitioners in the field, video is shown on the latest technologies in the world, competitions, and socially relevant projects for the students throughout the year.



The host Ms. Xavy Janeth Rebello addressed the gathering by introducing the Special Guest – Mr. Pravin Kakode, Executive Director- Upgrade Enterprises Pvt. Ltd. Managing partner- Kakode Training LLP and Mr. Sujeet Shetty, President , Goa technology association, Co-Founder, Team Inertia technology, Director- Rev. Fr. Kinley D’cruz, Principal- Dr. Neena Panandikar, Head Of Department of Civil engineering- Dr. Shwetha Prasanna, Head Of Department of Computer engineering- Dr. Gaurang Patkar and coordinators Prof. Satyesh Kakodkar, Prof. Jonessa Ferrao and Prof. Merwyn D’Souza. The ceremony continued by lighting of the lamp. The welcome address was delivered by

Dr. Gaurang Patkar. The Principal Dr Neena Panandikar, addressed the gathering by congratulating the newly elected members of CESA and C-CODES, and encouraging them to become industry ready, to upgrade with the new technology, organize skill based courses. Director- Rev. Fr. Kinley D’cruz, shared similar thoughts, highlighted the importance of leadership and the pivotal role that CESA plays in the development of civil engineering students and thanked the outgoing council led by Chairperson Clarita De Souza for ‘setting the tone, raising the bar with their energy, time and hardwork’.

In the latter half, Prof. Shruti Jambhale, introduced the newly elected CESA Council members to the gathering, that is Chairperson: Ms. Sailee Mahale, Secretary: Mr. Liam Mendes, Treasurer: Mr. Omvithal Rajesh Raikar, Executive members, Mr. Clayton Joshua Teixeira, Ms.Akanksha Sadashiv Nagvenkar, Mr. Yogan Kossambe, Mr. Sarvadnya Dessai, Ms.Joshelle Santimano and Mr. Pratik Sandip Desai.

The Special Guests, Mr. Sujeet Shetty highlighted on bridging the gap between industry and students and Mr. Pravin Kakode in his speech resonated deeply with the audience, particularly the new generation of students, as he shared honest and impactful insights on achieving success in careers and emphasized on the importance of curiosity, gratitude and simplicity.

The event concluded with a heartfelt vote of thanks by Dr.Shwetha Prassanna, expressing gratitude to all those who contributed to the success of the ceremony. The installation of the new CESA Council was a momentous occasion that not only celebrated leadership but also inspired the students to strive for excellence in their academic and professional journeys.



SANKRITI 2024

This year's SANKRITI 2024 was held alongside INSPIRUS 8 under the banner of TECHFEST 2024. SANKRITI 2024 was a 2 day technical event organised by the Civil Engineering Students Association on the 10th and 11th of October 2024. The inaugural ceremony for TECHFEST 2024 was held at 9:15 am on 10th October 2024. Present at this ceremony were the Chief Guest Mr. Kapil Borkar (MD, Borkar Construction Pvt. Ltd.), as well as other esteemed guests such as the Director, the Principal, The Registrar and Heads of the Civil engineering and Computer engineering departments. The Highlights of this ceremony included the premieres of the trailers for the events, the release of the Civil department Bulletin, the INSPIRUS 8 souvenir and the felicitation of graduates. It was a grand opening befitting the status of the event.

SANKRITI 2024 had a total of 8 events out of which 4 were technical while the remaining 4 were non-technical.



DAY 1

- The first day's events started off with a truss building competition known as "TRUSS'T THE PROCESS" which was held from 10:00am to 12:00pm in the T2 classroom on the ground floor.
- This was followed by the quiz known as "THINK-A-TON" that had 2 rounds, a preliminary and final round. The preliminary round was held from 12:00pm to 1:00pm in the SE CIVIL classroom on the 1st floor. While the final round was held from 2:00pm to 4:00pm in the SEMINAR HALL 2.
- Running parallel to the final round of the quiz was a painting competition known as "CUBE CANVAS" that took place from 2:00pm to 4:00pm in the TRANSPORTATION LAB.

- In the background, there was a photography competition taking place within campus grounds known as “PHOTO PHRENZY” which ran it’s course from 10:00am to 4:00pm.

- The true highlight of Sankriti this time would have to be the model making competition known as “BUILD BATTLE” and took place for 12 hours from 10:30am to 10:30pm.

DAY 2

- Day 2 started with a technical competition involving slump test known as “CONCRETE CONNOISSEUR” which was held from 9:15am to 11:00am in the CONCRETE LAB

- Next was the AutoCAD competition known as “CAD’TASTROPHE” which was held from 9:15am to 1:15pm in the CIVIL AUTOCAD LAB

- The last event to start was the debate known as “OBJECTION!” which was held form 10:00am to 1:00pm in the SEMINAR HALL 2.



SANKRITI 2024 was concluded with a combined valedictory function alongside INSPIRUS 8 under the banner of TECHFEST 2024 at 3:15pm on 11th October 2024. This function was attended by the Chief Guest Mr. Puneet Khurana, Vice President of HR at OneShield, who shared simple but quite valuable advice, “Study well, eat well, play well”.

The highlights of this function included videos from each event displaying highlights of the 2 days, announcing of the winners of the various competitions, as well as a show of gratitude towards all sponsors, team members, participants and faculty involved. Overall, SANKRITI 2024 was a grand success and memories of it will always be cherished.

BE FIELD VISIT

Final-year Civil Engineering students, along with Professors Jeffrey Valadares and Genevieve Fernandes, visited the Eurostampa and Indoco sites in Verna. The project is managed by Sapscon, with consultancy provided by Shekhar Panandikar and Associates.

During the visit, students had the chance to observe post-tensioning design principles, including grouting and tendon tensioning with jacks. They witnessed the detailed post-tensioning process, which involves placing tendons into ducts, anchoring them at one end, and using jacks to achieve the desired tension. This method enhances structural performance by effectively countering bending moments, with ducts strategically positioned where bending moments are highest. The visit to the Indoco site also deepened their understanding of piling techniques in geotechnical engineering. Students explored various pile caps and reinforcement details, expressing gratitude for the valuable insights and practical knowledge gained from these experiences.



ME FIELD VISIT

The Civil Engineering Students of IWN (Indian Women network) Students' Chapter and the ME students of Computer Aided Structural Design accompanied by Dr. Neena Panandikar and Prof. Kaushik Pai Fondekar visited the Eurostampa site. The company name is Sapscon, and Consutancy is Shekhar Panandikar and Associates. The students got an opportunity to witness the Post-tensioning Design Principles and were given detailed information by Company MD Mr. Satish Nair, Er. Fredrick Dais and Er. Naman Choudhary. During the site visit, we had the opportunity to observe the post-tensioning process in detail. The process involves placing tendons into ducts, followed by grouting. The tendons were anchored at one end, while the other end was jacked to achieve the desired tensioning effect. This method helps improve the structural performance by efficiently counteracting the bending moments, with the positioning of the ducts strategically based on the locations of high bending moments. Er. Shekhar Panandikar provided an in-depth explanation of how post-tensioning design is implemented, especially in comparison to conventional reinforced concrete design. He highlighted that due to the large scale of the project, the construction would be carried out in phases.

The structural system in use consisted of post-tensioned beams and flat slabs. The columns had a height of approximately 10 meters, while the depth of the beams was around 900 mm, and the dimensions of the columns were nearly one meter. This configuration ensures greater load-bearing capacity and reduces the amount of material required compared to conventional designs. The Students were truly grateful for this experience for all the insights and practical knowledge they gained.



FIELD VISIT

Name of Faculty	Field Visit	Class & Sem	Date
Prof Kaushik and Dr. Neena Panandikar	ME Field Visited Eurostampa site	IWN (Indian Women network) Students' and the ME students	1st October 2024
Prof Jeffrey Valadares and Prof. Genevieve Fernandes	BE Field Visit to Eurostampa and Indoco Plant 2	BE civil Engineering	15st October 2024
Prof Shruti Desai, Prof. Kaushik & Prof. Prachi	TE Field Visit to Ready-Mix Concrete (RMC) plant of Infra Market in Kundaim & OPA Water Treatment Plant in Khandepar, Ponda	TE Civil students	24th October 2024
Prof.Jonessa & Prof. Swaroopa	SE Field Visit to Water supply unit at Margao, Construction of IRMAO at Nuvem	SE Civil students	24th October 2024

WEBINAR/SEMINAR

Name of Faculty/Resource person	Webinar/Seminar	Date
Prof. Nadya Baracho and Prof. Starina Dias	AutoCAD training	13th July 2024
Adv.Emidio Pinho	Talk on POSH Act	24th July 2024

Mr. Pravin Kakode, Executive Director- Upgrade Enterprises Pvt. Ltd. Managing partner- Kakode Training LLP	NDLI Talk on Discipline: the secret sauce to success	24th August 2024
Dr. Harikumar, Head of the Department, National Institute of Technology, Goa Er. Gurunath Khanolka, Vice President, Realty and Project, VM Salgoankar Corporation Pvt. Ltd	Tech Talk: What Next after B.E. Civil Engineering. Dr. Harikumar Project Management". Er. Gurunath Khanolkar	18th September 2024
Prof Shruti Jambhale	Mix Design Workshop	25th October 2024

PARTICIPATION IN CULTURAL ACTIVITIES

Name (s) of Students	Type & Level of Cultural Activities	Date(s)	Organised by
Ashray Sawant, Sanjeev Parab	Sankriti 2024	10-11th Dec 2024	DBCE
Clarita D'Souza	"CAD –Tastrophic"	10-11th Dec 2024	DBCE
Rachel Fernandes, Angel Rodrigues	Sankriti 2024	10-11th Dec 2024	DBCE
Amanda Luis	"Cube Canvas"	10-11th Dec 2024	DBCE
Abdul Shareef, Elrich Fernandes	Sankriti 2024	10-11th Dec 2024	DBCE

PARTICIPATION IN SPORTS ACTIVITIES

Name(s) of Students	Award/Prize won	Date (s)	Organised by
Sanjeev Shivdas Parab	Chess Mix Team	23rd to 24th July 2024	Goa University
Krish Sharma, Pranil P. Naik, Anuj Vernekar	Badminton Men Team	30th July to 2nd August 2024	Goa University
Sanjeev Shivdas Parab	Taekwondo Mens	6th to 9th August 2024	Goa University
SAMARTH FADTE, BHASKER GAIN	Weight Lifting	13th to 14th August 2024	Goa University
Winston Lopes, Samruddha Patil, Sohan Holkar	Kabaddi Mens		Goa University
Bhasker Gain	Best Physique Mens	27TH to 30th August 2024.	Goa University
Sneha Gounder	Football Womens	15th September 2023.	Goa University
Shreyas Sushant Surve	Tennikoit Mens	17th September onwards 2024.	Goa University
Anuj Vernekar	Inter University West Zone Badminton Championship	24th to 27TH September 2024	Goa University
Bhargav Dessai	Senior Men 7s category	12th to 16th November 2024	Goa Rugby 7s
Bhasker Gain	Inter University Weight Lifting Championship	23rd to 24th November 2024	Goa University

PARTICIPATION IN TECHNICAL ACTIVITES

Name of the Student	Seminar/Workshop/ Technical Events/Conferences/Training programmes etc.	Date(s)	Organised by
Abdul Shareef, Ashley Fernandes	Kshitij 2024	18-19th July	DBCE
Vysel Costa	“Mini Technical Project”	18-19th July	DBCE
Shauryan Parsekar	Kshitij 2024	18-19th July	
Clarita D’Souza	“Mini Technical Project”	21-22 nd October	DBCE
Angel Rodgrigues, Clarita De Souza, Rachel Fernandes and Rohan Viegas	Kshitij 2024	2024	Goa Startup Mission
Rachel Fernandes, Clarita D’Souza, Angel Rodrigues	“Mini Technical Project	2024	Gomantak TV