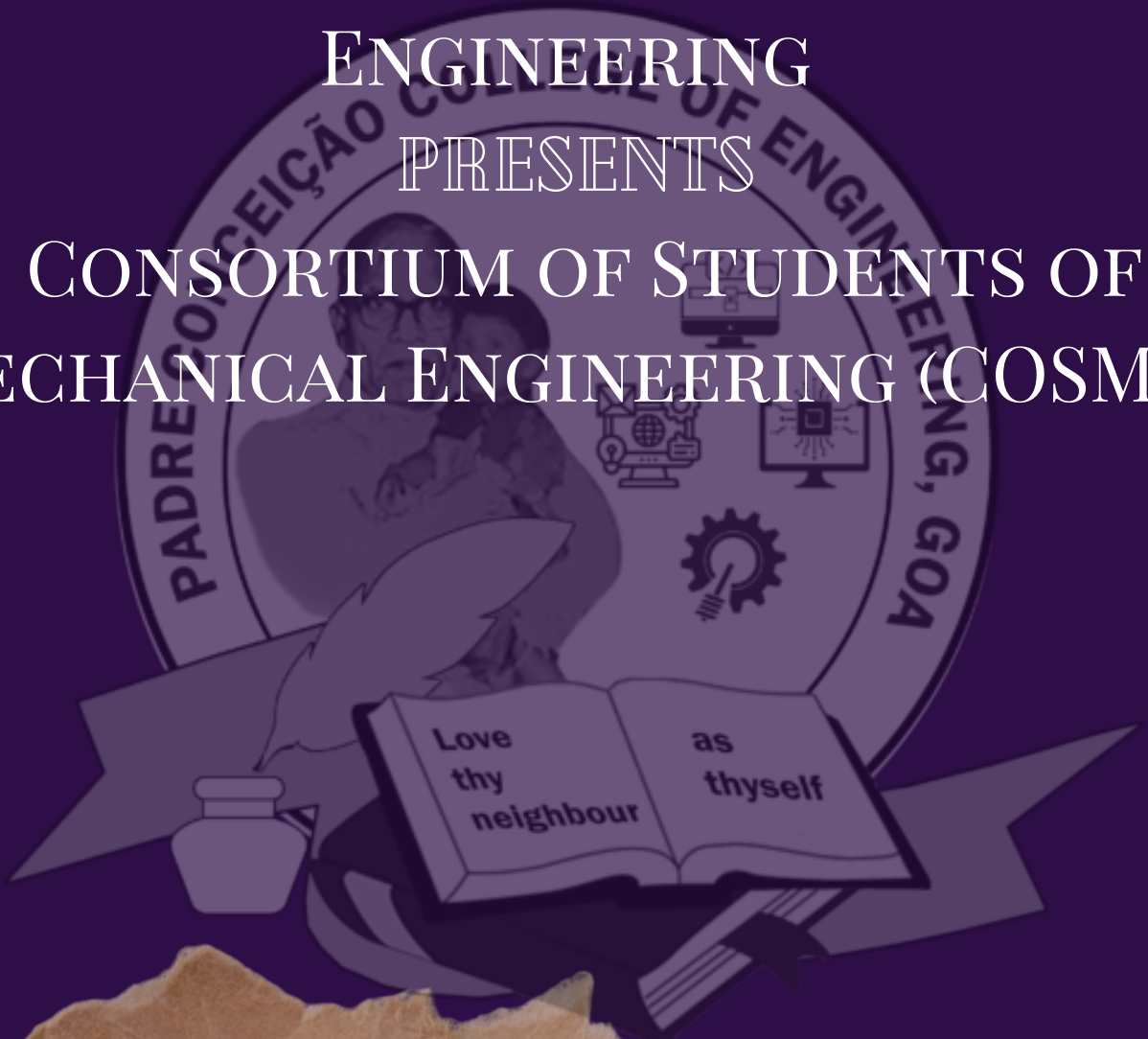


PADRE CONCEIÇÃO COLLEGE OF
ENGINEERING

DEPARTMENT OF MECHANICAL
ENGINEERING

PRESENTS

CONSORTIUM OF STUDENTS OF
MECHANICAL ENGINEERING (COSME)



ECHO'25

COSME

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INSTALLATION OF

COSME

The installation ceremony for the COSME (Consortium of Students of Mechanical Engineering) Committee, held on 9TH August, 2024, marked a significant milestone in the academic calendar of Padre Conceição College.

The event, held at pccce auditorium, witnessed the formal induction of the newly elected committee members.

Mr. Sagar Redkar and Mr. Steven Dourado (BluerockTek Engineering solutions) and Mr. Prathamesh Pai Bir (P3 investment solutions), graced the occasion as the chief guest. Their inspiring address emphasized the importance of career exploration, research, and entrepreneurship. The ceremony also included the ceremonial lighting of the lamp and the administration of the oath to the newly elected committee members, led by President Mr. Akash Panchal.

The event underscored the crucial role of COSME in enriching student life and fostering a vibrant campus community.

They will be working under the guidance of COSME faculty coordinators Mr. Saish Verenakar and Mr. Flasio Colaco.

The installation ceremony served as a catalyst for renewed enthusiasm among the student body, inspiring them to actively participate in college activities and strive for excellence in their academic pursuits.

The program concluded with the release of the Mechanical Department Magazine.



COSME 2024-25



The COSME Council Members for 2024-25 are:

President - Mr. Akash Panchal

Vice President - Mr. Leander Fernandes

Secretary - Miss. Marisha Almeida

Treasurer - Mr. Devandra Sawant

Social Media - Mr. Aman Shetye

Executive members - Mr. Marlon Borges, Mr. Soham Shirodkar,
Mr. Aurick Pereira and Mr. Valicio Fernandes

GUEST SEMINARS BY

COSME

COSME (Consortium of Students of Mechanical Engineering) hosted guest seminars on "Opportunities in the Manufacturing Industry and Entrepreneurship" at PCCE Auditorium on 9th August 2024.

The esteemed speakers were:

Mr. Sagar Redkar (BluerockTek Engineering Solutions) - Shared his journey from a Mechanical engineer to a successful entrepreneur, emphasizing strategic product development and product lifecycle management.

Mr. Prathamesh Pai Bir (P3 investment solutions.) - Highlighted the significance of active learning, industry roles, and responsibilities, drawing from his experience in operations, maintenance, and project management.

Mr. Steven Dourado (Bluerocktek Engineering Solutions) - Focused on automation, innovation, and the manufacturing industry, showcasing tools like SolidWorks and robotics.

The session had it all: inspiring insights, engaging discussions, and valuable takeaways for our FE, SE, and TE Mechanical Engineering students!

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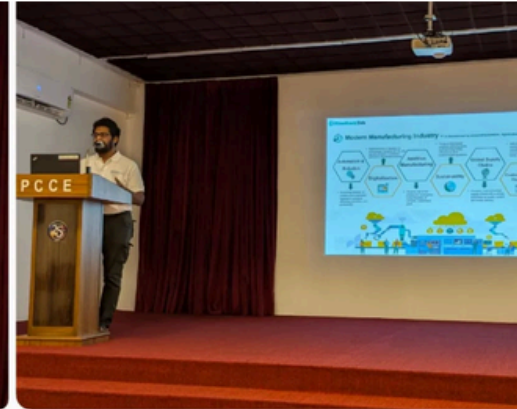
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GUEST SEMINARS BY

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TECHYON 2024

MECHFEST

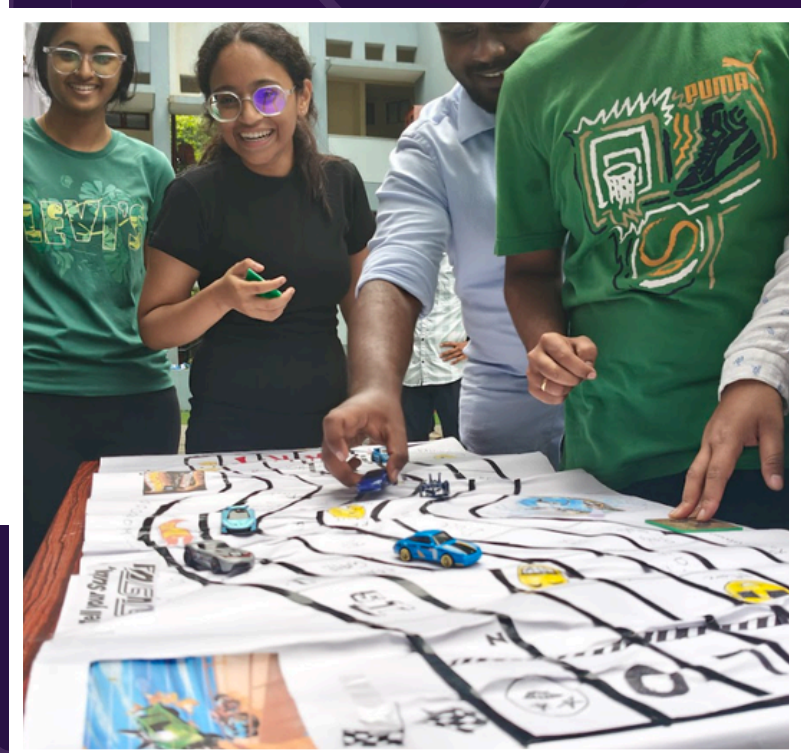
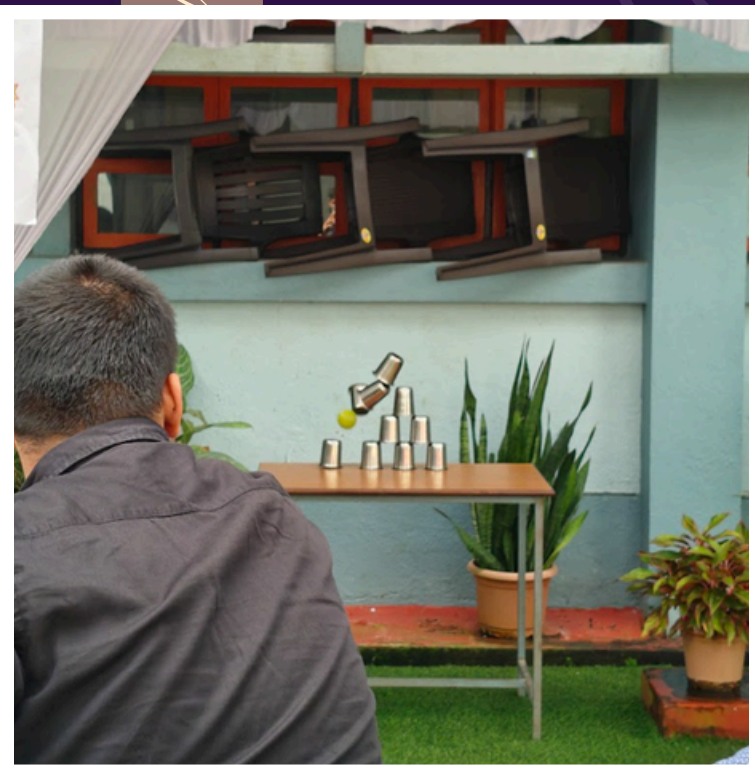


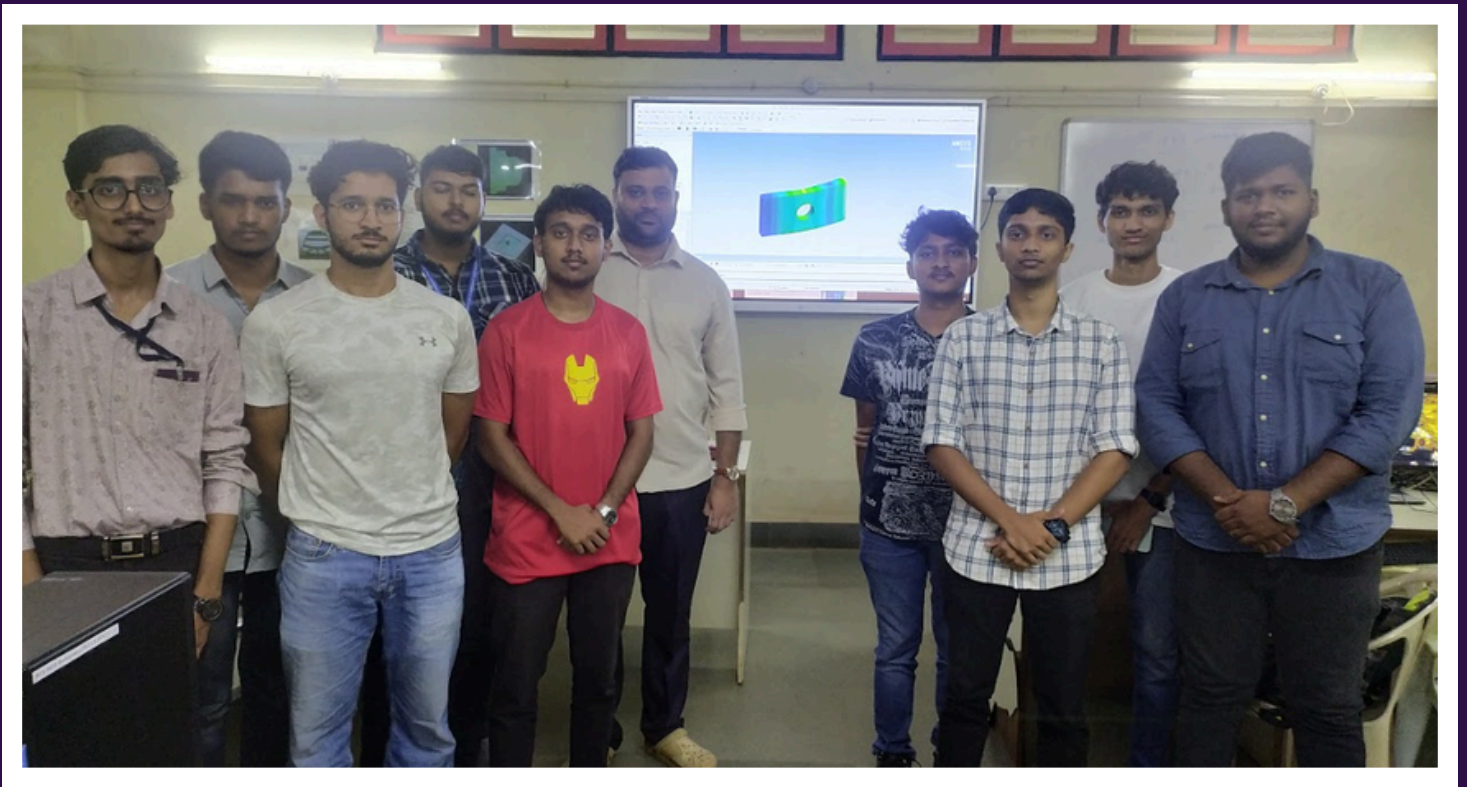
Techyon is PCCE's flagship technical fest. It spans three days and features an impressive mix of workshops, competitions, guest lectures, and hands-on events. Organized by students (with faculty mentors), it blends theory and practice, pushing participants to think out of the box and apply their classroom learning in creative ways. It was held from 17th to 19th october 2024 .

MECHFEST by MECHANICAL DEPARTMENT

The theme being "plunge into the depths of Mechfest : Discover the wonders of mechanical engineering in a sunken city , where innovation meets the mysteries of the deep.

The different events that were taken place are :





PADRE CONCEIÇÃO COLLEGE
OF ENGINEERING

MECHFEST

Ansys
WORKSHOP

BY
PROF. RAMDAS PANDIT

DATE: 17TH OCTOBER 2024
TIME: 2 PM-4 PM
VENUE: CAD/CAM LAB

SCAN & REGISTER

PIFS SIMPLE Samero Engineering works THE Fisherman's Corner

During Mechfest, Tachyon, Padre Conceição College of Engineering (PCCE) organizes not just competitions but also knowledge-sharing workshops to give students practical exposure. One such highlight was the ANSYS Workshop conducted by Prof. Ramdas Pandit. Where he highlighted about, ANSYS, a powerful simulation software widely used in mechanical, civil, electrical, and aerospace engineering. It helps engineers test and analyze designs virtually before building them. It was beautifully explained and the students did some hands on simulations during the workshop.

Robo Soccer is one of the most popular robotics competitions at Techyon, the annual technical fest of Padre Conceição College of Engineering (PCCE), Verna, Goa.

Just like the real sport, two teams compete to score goals — but instead of human players, there are robots (bots) controlled by participants

- Two teams of robots face off on a mini football field.
- The bots can be wired (remote-controlled) or wireless (Bluetooth/RC based).
- Each bot is designed for speed, maneuverability, and pushing the ball.
- The objective: score the maximum goals within the given time.
- Penalties apply for leaving the field or breaking rules (e.g., rough play).

 PADRE CONCEIÇÃO COLLEGE
OF ENGINEERING

MICA FEST



**ROBO
SOCCER**

PRIZE POOL-10,000

COORDINATORS
ANANT DESAI +91 8412019332
REMEDIUS FERNANDES +91 7218312972



In Robo Race, the idea is to build a robot (or bot) that can navigate a predefined track or obstacle course in the minimum possible time or with best performance. Some likely features:

- The robot moves autonomously (or semi-autonomously) over a track.
- It may have to avoid obstacles, turn corners, handle slopes or varying surfaces.
- Speed, stability, control, and accuracy matter a lot.
- The design will combine mechanical, electronic, and software (control, sensors) parts.



PADRE CONCEIÇÃO COLLEGE OF ENGINEERING

MUSIC FEST

ROBO RACE

PRIZE POOL-10,000/-

COORDINATORS
 STANISLAUS FERNANDES +91 7263017407
 SHANTARAM BORKAR +91 7620884197

PIFS SIMPLE Samero Engineering works THE Fisherman's Corner



- Teams design a small catapult using basic materials (wood, rubber bands, spoons, etc.).
- The challenge: launch a projectile (like a ping pong ball or marble) and hit a specific target placed at a distance.
- Points are awarded for accuracy, distance, and consistency.
- It's simple, competitive, and teaches mechanics + creativity while being fun for participants and the audience





**PADRE CONCEIÇÃO COLLEGE
OF ENGINEERING**

MICHEFEST




CATAPULT

PRIZE POOL-8500/-
1ST-5000/-
2ND-3500/-

COORDINATORS
DEVENDRA SAWANT +91 75592 13439
VALICIO +91 96044 19205



SCAN & REGISTER






Bridge Building Event – Techyon

- Teams: Max 5 members.
- Materials: 50 straws (25 cm each), tape, fevicol (glue), stapler (for joints only).
- Dimensions: Length \leq 40 cm, Width = 8–10 cm, Height \leq 15 cm, Roadway thickness \leq 3 cm.
- Rules:
 - Tape/stapler allowed only at joints, not along full length.
 - Roadway cannot be fully taped.
 - Bridge sits on supports placed 30 cm apart.
- Loading: Vertical load applied at the center of the roadway.
- Tie-breaker: Lighter bridge wins.

Objective:

Teams act as engineering designers to build a beam bridge with a truss pattern, meeting given constraints. The challenge is to create the strongest and most efficient bridge using only straws and adhesives



 **PADRE CONCEIÇÃO COLLEGE OF ENGINEERING**

MICROFEST

BRIDGE BUILDING

PRIZES POOL- 4000/-
1ST :2500/-
2ND:1500/-

COORDINATORS
SHANTARAM BORKER 7620884197
GANDHAR DESHMUKH 7030667677

SCAN & REGISTER



PROUD MOMENTS



We are delighted to share a proud milestone — the Department of Mechanical Engineering at Padre Conceição College of Engineering (PCCE), Verna, Goa has been granted a 3-year extension of NBA Accreditation, valid from 2025 to 2028.

This achievement is a testament to our department's academic rigor, innovative teaching, quality research, and strong industry collaboration. It reflects the consistent efforts of our faculty, the dedication of our students, and the continued support of our alumni, management, and stakeholders. Since its inception 28 years ago, the department has stood for excellence in engineering education, shaping professionals who continue to make an impact across industries worldwide.

Here's to many more years of growth, innovation, and success

PROUD MOMENTS



The management, staff, and students of Padre Conceição College of Engineering (PCCE), Verna, Goa, proudly congratulate Dr. Saeesh Verenkar, Assistant Professor, Department of Mechanical Engineering, on successfully completing his Ph.D. in Mechanical Engineering from VTU, Belgaum. His doctoral research, “Detection of Delamination in Composite Laminates using Vibration-Based Techniques”, reflects his dedication, expertise, and valuable contribution to advancing knowledge in the field of composite materials and structural health monitoring.

We are truly honored to have such a committed researcher and mentor as part of the PCCE family. His achievement not only inspires our students but also strengthens the academic and research culture of the institution.

Congratulations once again, Dr. Verenkar — wishing you continued success in your academic and research journey!

PROUD MOMENTS



The Mechanical Engineering alumni of Padre Conceição College of Engineering (PCCE), Goa have set sail towards exciting new journeys! After successfully completing their training at the Institute of Maritime Studies (IMS), Goa, they are now ready to embark on their maritime careers with some of the world's leading shipping companies.

We are honored that Dr. Rahul Ribeiro, Head of the Mechanical Engineering Department, graced their Convocation Ceremony and celebrated this milestone with them.

With immense pride, we congratulate:

Keegan Pereira – Valles Steamship

Saijay Shirodkar – Nauticfleet

Vrushank Naik – Tomini Shipping Co.

Saesh Parab – Seaspan Ship Management

Deylan Fernandes – Seaspan Ship Management

Shashank Lone – Nauticfleet

Aryan Kundaikar – Seaspan Ship Management

Their success is a testament to hard work, dedication, and the strong foundation built at PCCE.

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