



INSIGHT

Computer Engineering Department's Newsletter

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Faculty Incharge:

Asst. Prof. Manisha Fal Dessai

Student Incharge:

Miss Rosanne

VISION

To be recognized as a center of excellence in the field of computer engineering, engaging with and maintaining a strong association with leading organizations, nurturing professionals and entrepreneurs with a positive mind set coupled with societal concern.

MISSION

To keep pace with the latest software and hardware development within and beyond the curriculum so as to nurture competent professionals.

To enhance research opportunities and entrepreneurship opportunities in the department by promoting application-based education and partnership with the industry.

To foster a holistic learning ambience by inculcating professional behavior, problem solving skills, student- faculty collaboration and socio-ethical awareness.

Engineer's Day 2025 (Tech Talks)



On the occasion of Engineers' Day, 15th September 2025, the Department of Computer Engineering, in collaboration with the Institution Industry Cell (IIC) of Don Bosco College of Engineering, organized Tech Talks, an educational initiative aimed at promoting awareness of recent technologies and their impact on the engineering profession.

The session featured two eminent speakers who shared valuable insights from industry practice:

1. Mr. Gurpreet Singh, CTO, Ginesys

Mr. Singh delivered an engaging talk on “AI can code, can engineers compete?”. He highlighted the rapid growth of artificial intelligence in software development, citing examples such as GitHub Copilot and ChatGPT. He discussed AI’s ability to handle repetitive coding tasks, accelerate development cycles, and reduce errors, while emphasizing that engineers continue to hold a competitive advantage in areas demanding problem analysis, creativity, ethical judgment, and system-level design. His talk encouraged students to strengthen their fundamentals and learn to collaborate effectively with AI-powered tools.

2. Mr. Mayur Mahambrey, Software Architect, Siemens, Goa

Mr. Mahambrey presented a session on “The Engineering Behind Everyday Apps”. Using relatable examples such as Instagram and Discord, he explained the complex engineering that ensures seamless user experiences. He elaborated on concepts including real-time GPS

tracking, secure digital payments, scalable server systems, and fault-tolerant architectures, while connecting these mechanisms with classroom topics like relational databases, APIs, load balancing, and cloud computing. His insights enabled students to appreciate how academic learning translates into industry-grade solutions and inspired them to explore fields such as backend development, fintech, and large-scale system design.

The initiative effectively bridged the gap between academia and industry, inspiring students to embrace emerging technologies while reinforcing the fundamentals of computer engineering. The session was attended by Second- and Third-Year Computer Engineering students. The event was coordinated by Asst. Prof. Sweta Morajkar and Asst. Prof. Christina Barretto.

AICTE-ISTE FDP on “Unlocking Gen AI: Concepts, Tools & Research -Driven Applications”

Don Bosco College of Engineering (DBCE), Fatorda, successfully organized a one-week AICTE–ISTE Faculty Development Programme on “**Unlocking Gen AI: Concepts, Tools & Research-Driven Applications**” from 24 to 28 November 2025, in collaboration with the Government College of Arts, Science and Commerce, Quepem, and supported by GSHEC–DHE.



The programme was inaugurated on 24 November with the presence of eminent dignitaries from the Directorate of Higher Education and DBCE management. The speakers highlighted the growing significance of Generative AI and emphasized the need to integrate emerging technologies with academic learning, research, and industry practices. The workshop aimed to make Generative AI accessible not only to engineers and programmers but also to educators and researchers from diverse disciplines.

Over five days, participants engaged in expert talks, hands-on sessions, and research-oriented discussions on Gen AI tools and applications. A key highlight was the presentation of innovative capstone projects focusing on academic, industrial, and research challenges. Participants also visited IFB Industries, Verna, gaining valuable insights into AI-enabled manufacturing and automation systems.

The programme witnessed participation from 53 faculty members representing 13 colleges across Goa. The valedictory ceremony marked the successful culmination of the FDP, with certificates awarded to all participants and prizes presented for outstanding capstone projects, reinforcing DBCE's commitment to promoting innovation, research, and future-ready education.

One-week WINTER SCHOOL titled “From Zero to Data Hero”

The Department of Computer Engineering, Don Bosco College of Engineering, Fatorda, organized a week-long Winter School titled “**From Zero to Data Hero**” from 27th to 31st October 2025, funded by the **Goa State Research Foundation (GSRF)**. The program aimed to introduce students to programming and data science using Python and R through a fun, hands-on learning approach.



The inaugural ceremony featured Prof. Savio Faleiro as the Chief Guest, who commended the department's efforts in promoting data literacy among school students. He encouraged participants to cultivate analytical and problem-solving skills through active engagement with coding exercises.

The Winter School saw enthusiastic participation from students representing 12 schools across Goa. Faculty members from computer department conducted interactive sessions that combined conceptual learning with practical implementation.

The program successfully provided young learners with foundational exposure to programming, data analysis, and logical thinking. It concluded on an inspiring note, motivating students to continue exploring the vast field of data science in the future.

STUDENTS CORNER

C-CODES INSTALLATION



The Department of Computer Engineering and Civil Engineering of Don Bosco College of Engineering, Fatorda, jointly organized the C-CODES & CESA Council Installation function for the academic year 2025–26 on 9th August 2025. The event marked the transition of leadership, honoring the outgoing councils and formally inducting the newly elected members. Distinguished guests, including Dr. Arnab Kumar Paul (BITS Pilani, Goa) and Er. Krishna Sahakari, along with college dignitaries such as the Rector Fr Ralin De Souza, Administrator Fr Leo Pereira, Principal Dr Neena Panandikar, HOD Civil Dr. Shwetha Prasanna and HOD - Computer Dr Gaurang Patkar, graced the occasion. The function began with the ceremonial lamp lighting, followed by inspiring addresses from faculty and administrators, emphasizing leadership, discipline, and academic excellence.

The outgoing C-CODES and CESA council members were felicitated for their dedicated service, after which the newly elected members took an oath to uphold the college's values. Special guest Dr. Arnab Kumar Paul delivered a motivational speech on innovation and collaborative learning, while Er. Krishna Sahakari shared practical insights on engineering professionalism. The event concluded with

memento presentations and a vote of thanks by Dr. Shwetha Prasanna (HoD, Civil Engineering), acknowledging the efforts of all participants.

TechMania 2k25

The Department of Computer Engineering at Don Bosco College of Engineering hosted TECHMANIA 2K25 – a celebration of creativity, innovation, and technical brilliance. Highlights included the release of the departmental magazine “Tech Seed 2K25”, an inspiring address by entrepreneur Mr. Shawn Kenneth Fernandes, and recognition of student achievements through the prize distribution ceremony. The event was a vibrant showcase of talent, passion, and innovation.



DBCE TechFest 2k25 cum B.E. Students Felicitation

Don Bosco College of Engineering (DBCE), Fatorda, ushered in its annual technical festival DBCE TEKFEEST 2025 with a grand inaugural ceremony on 09 October 2025, that celebrated innovation, creativity, and excellence in engineering. The two-day festival brings together the college’s flagship departmental events — INSPIRUS by the Computer Engineering Department and SANKRITI by the Civil Engineering Department.

The event commenced at 9:30 a.m. with the arrival of the Chief Guest, Dr. Deepak Chodankar, Director at Wisdom Labs, Verna-Goa, who was warmly welcomed by the gathering. His presence added immense value to the occasion, setting an inspiring tone for the festival.

In her opening remarks, the anchor invited the audience to embrace the spirit of innovation and introduced trailers of INSPIRUS and SANKRITI, offering a glimpse into the technological brilliance and creativity that define DBCE's annual fest. The screening set an energetic start to the morning's proceedings.



The ceremony continued with the traditional Lighting of the Lamp, symbolizing the triumph of knowledge over ignorance, followed by a floral welcome to the dignitaries on the dais. As part of the celebrations, academic distinction holders from both the Computer and Civil Engineering departments were felicitated for their outstanding achievements. Prof. Sweta Rane conducted the felicitation for the Computer Department, while Prof. Vanessa Fernandes led the ceremony for the Civil Department.



The Chief Guest, along with the dignitaries, also unveiled two significant departmental publications — the INSPIRUS Souvenir, presented by Prof. Sweta Rane, and the Civil Engineering Technical Bulletin, presented by Prof. Jonessa Ferrao. Both releases captured the departments’ academic and creative milestones over the past year. In his chief guest address, Dr. Chodankar, he encouraged students to stay curious, think critically, and bridge the gap between academic learning and industry applications.

The ceremony concluded with a heartfelt Vote of Thanks delivered by Dr. Gaurang Patkar, Head of the Computer Engineering Department, who acknowledged the efforts of the organizing committee, faculty, and students in making the event a success.

With the formal inauguration complete, participants and guests proceeded to their respective venues for the day’s lineup of technical and creative events. DBCE TEKFEEST 2025 stands as a celebration of youthful innovation and collaboration, reflecting the college’s enduring mission to empower engineers of the future.

The Valedictory Ceremony of DBCE Tekfest 2025, jointly organized by the Computer and Civil Engineering Departments of Don Bosco College of Engineering, marked the successful conclusion of the diverse technical and non-technical events conducted under INSPIRUS 9 and SANKRITI.

The program began with the arrival of the Chief Guest, Dr. S. K. Prasad, Professor and Head of the Civil Engineering Department at Vidhyavardhaka College of Engineering, Mysuru. The ceremony

commenced with a presentation of highlights from the various competitions and activities held throughout the fest, creatively compiled by the organizing departments.

This was followed by an overview of the events under INSPIRUS 9 and SANKRITI, presented by Mr. Srinivas Inamdar (C-Codes) and Ms. Priya Maria Vales (CESA), who emphasized the enthusiastic participation and quality of organization displayed by the students. In his speech, he appreciated the collaborative efforts of the students and faculty in organizing a vibrant and inclusive fest, and highlighted the significance of such platforms in nurturing creativity, innovation, and teamwork among aspiring engineers.

The function concluded with the prize distribution ceremony for the winners of SANKRITI and INSPIRUS 9, coordinated by Assistant Professors Shruti Jambhale and Christina. The event ended on a celebratory note, recognizing the achievements of the winners and marking a memorable conclusion to Tekfest 2025.

WORKSHOPS/ SEMINARS/ IN-HOUSE TRAININGS

Expert talk on “From Classroom to Corporate: An Alumni’s Insight”

An Expert talk was organized by C-CODES (Council of Computer Department Engineering Students) in association with DBCE alumni committee. The talk was delivered by Mr. Ved Kerkar from the 2021–2025 batch alumni and Mr. Melrich Moraes (current final year student) of Don Bosco College of Engineering.



The speaker shared their journey from a student to a professional, inspiring current students. He spoke highly of the college's vibrant life, including events, clubs, and technical activities. The faculty's constant support and mentorship were appreciated for academic and career growth. Students were encouraged to participate in competitions, internships, and entrepreneurial ventures. Key concepts like programming, databases, and soft skills were emphasized as essential foundations. The speakers highlighted major college events such as INSPIRUS, Project Expo, and cultural fests.

An interactive Q&A allowed students to clear doubts and gain clarity on career paths. Overall, the session was motivating and strengthened alumni-student engagement. The faculty coordinator for the talk was Prof. Merwyn D'Souza.

Seminar on “How to Unlimit your Future ?”

A thought-provoking seminar titled "**How to Unlimit Your Future?**" was conducted on 23rd July 2025 by Department of Computer Engineering, inspiring students to unlock their true potential and embrace the future with confidence and purpose.



The session was delivered by two distinguished speakers from Dubai: Mr. Sajith Ansar, CEO and Mr. Siddharth Anantharam, Co-founder of “Unlimits.ai”. Their engaging talk focused on practical strategies to overcome limiting beliefs, identify personal strengths, and prepare for a future shaped by

AI, innovation, and rapid change. The speakers also shared insights from their entrepreneurial journeys, encouraging students to think globally and act purposefully.

This enlightening session was organized by C-Codes, in association with the DBCE ACM Student Chapter. The event witnessed enthusiastic participation from students across various departments who actively interacted with the speakers and found the session deeply motivating.

FIELD VISITS

Educational Tour at IIT, Dharwad



The DBCE ACM Student Chapter organized an educational tour to IIT Dharwad on 17th October 2025 for ACM student members. The visit aimed to provide students with academic exposure and insight into advanced research, innovation, and campus life at a premier technical institute.

During the tour, students explored key facilities, interacted with faculty and researchers, and gained valuable understanding of ongoing research activities and academic culture at IIT Dharwad. The visit was both informative and inspiring, motivating students to pursue excellence in academics and research. The educational tour proved to be a valuable learning experience, broadening students' perspectives and strengthening their interest in higher studies and technological innovation.

ACM Events

Photography Competition: “*DBCE in Monsoon*”

The DBCE ACM Student Chapter organized a Photography Competition on 5th July 2025 on the theme “**DBCE in Monsoon**”, encouraging students to capture the beauty of the campus during the rainy season. The event aimed to highlight the serene greenery, rain-soaked architecture, and the vibrant academic and technological environment of DBCE.

Students enthusiastically participated and submitted creative photographs showcasing unique monsoon perspectives of the campus. The entries reflected a perfect blend of nature and technology, bringing out the charm of DBCE in the monsoons. Kashinath Chavan from Second Year Computer Engineering won the first place.

The competition successfully provided a creative platform for students and witnessed excellent engagement. The DBCE ACM Student Chapter appreciates all participants for their enthusiastic involvement.

ACM Outreach Activity Report



The DBCE ACM Student Chapter successfully conducted its first outreach activity of the academic year on 28th July 2025, marking an engaging outreach initiative. The session was delivered by Eric, Malcolm, and Jayden, students of B.E. Computer Engineering and active ACM members, for the school students of PM Shri GHS Vaddem.

The session focused on introducing students to modern AI tools such as ChatGPT, Gemini, and Designer, explaining their applications in learning, creativity, and problem solving. The speakers presented the concepts in a simple and interactive manner, making advanced technology accessible and engaging for school students. The initiative was well received and reflected the ACM chapter's commitment to knowledge sharing, community outreach, and promoting technological awareness at the school level.

Hands-on Workshop on 3D Printing and Designing

The DBCE ACM Student Chapter organized a hands-on workshop on 3D Printing and Designing for school students of Std. IV on 10th October. The workshop aimed to introduce young learners to emerging technologies through practical and engaging activities.



Students were familiarized with basic 3D design concepts, simple modeling techniques, and the working of a 3D printer. The session was conducted in an interactive manner, encouraging curiosity, creativity, and learning by doing. The workshop was well received by the students, who showed great enthusiasm and interest throughout the session. The initiative successfully created awareness about modern technology at an early age and promoted experiential learning.

STUDENTS PARTICIPATION IN WORKSHOPS/SEMINARS/ TECHNICAL EVENTS & TECHNICAL COMPETITIONS

Sr. No.	Seminar/Workshop / Technical Events/ /Training programmes/ Competitions etc.	Date (s)	Organised by	No. of Students	Award / Prize won	Faculty Coordinator	Name (s) of Students
1	INEX India International Innovation and Invention Expo	15 th Nov 2025	Goa State Innovation Council	4	Bronze Award	Dr. Gaurang Patkar	Chhavi Dubey, Keerthi Durjati, Dattaprasad Prabhu
2	InfoFest	16 th , 17 th & 18 th Oct 2025	Goa Business School	2	2 nd Place	Mrs. Viosha D'Cruz	Shivasharanappa Biradar, Atharva Batule
3	INEX India International Innovation and Invention Expo	15 th Nov 2025	Goa State Innovation Council	4	Bronze Award	Dr. Gaurang Patkar	Samuel Mesquita, Mayuresh Naik, Shivasharanappa Biradar, Atharva Batule

STUDENTS PARTICIPATION IN SPORTS ACTIVITIES

Sr. No	Type & Level of Sports Activity	Date (s)	Organized by	No of Students	Award/ Prize won	Name(s) of Students
1	CHESS (MIX)	15 th to 16 th July 2025	Goa University	2	-	Ishan Pagi, Aditya Sawant
2	SWIMMING MENS	18 th July 2025	Goa University	1	WINNERS	Kshitij Anil Patil
3	TABLE TENNIS WOMENS	29 th July to 1 st August 2025	Goa University	3	-	Ajury Silva Tasneem Shaikh Suzette Rodrigues

4	TABLE TENNIS MENS TEAM	29 th July to 1 st August 2025	Goa University	2	-	Aarth Vajandar Dattaprasad Prabhu
5	BADMINTON WOMENS TEAM	5th to 8th August 2025	Goa University	2	-	Shanaia Martis Sanskruiti Verulkar
6	BADMINTON MENS TEAM	5th to 8th August 2025	Goa University	1	Runners Up	Saneed Naik
7	BASKETBALL ALL MENS TEAM	19th to 22nd August 2025	Goa University	3	Runners Up	Luke Fernandes Malcolm Antão Krish Pednekar

STUDENTS PARTICIPATION IN CULTURAL ACTIVITIES

Sr. No	Type & Level of Cultural Activities	Date (s)	Organized by	No of Students	Award/ Prize won	Name(s) of Students
1	Intercollegiate Choir Competition, <i>Celestia</i>	25 th September 2025	Don Bosco College, Panjim.	2	3 rd Place	Johan Almeida Rosanne Rebello
2	Vigilance Awareness Week Elocution competition – Inter Collegiate event	4th October 2025	Goa Shipyard Limited, Vasco at Shree Damodar College of Commerce & Economics, Margao	1	3 rd Place	Ms. Marvilla Cardozo

FACULTY INITIATIVES

PAPER/ JOURNAL PUBLICATIONS and PAPER PRESENTATION

Faculty Publications				
Sr No.	Author Name	Title of Paper	Details (journal name, volume, series, year)	National/ International
1	Dr. Gaurang Patkar	Embedding Sustainable Computing in Higher Education: Comprehensive study of student awareness & curriculum Integration in Indian Context	4 th International Scientific Conference – BRIDGE 2025	International
2	Mr. Mithil Parab	Significance of Digital Identity Management in the Metaverse	4 th International Conference on Information Security, Privacy and Digital Forensics - ICISPD 2025	International

WORKSHOPS/SEMINARS/EXPERT TALKS ATTENDED

SUMMARY OF PARTICIPATION IN FACULTY DEVELOPMENT ACTIVITIES						
Sr. No	Seminar/ Workshop/ Short Term Courses/Conferences/ Training Programs etc.	Date	Duration	Organization	No. of Faculty Deputed/ Permitted	Name of the Faculty Participated
1.	Unlocking GEN AI	24 th Nov 2025 – 28 th Nov 2025	1 week	AICTE – ISTE DBCE & GCQ	13	Christina Barretto, Janhavi Naik, Amey Kerkar, Manisha Faldessai, Merwyn D'Souza, Amey Tilve, Karishma Tuenkar, Floyd Fernandes, Dr. Amrita Naik, Dr. Norman Dias, Siya Naik, Sweta Rane, Mithil Parab
2	Academic Leadership Program	3 rd – 8 th Nov 2025 6 th Dec- 13 th Dec 2025	1 week	Goa state Higher Education Council & DHE	1	Dr. Gaurang Patkar

3	4 th International Scientific Conference: BRIDGE 2025 (online)	21 st & 22 nd Nov 2025	2 days	University of Prizren	1	Dr. Gaurang Patkar
4	Conclave for TLET Coordinators	1 st August 2025	1 day	DHE, Pilar Animation Centre, Goa - Velha.	1	Dr Amrita Naik
5	Posh Act 2013	6 th December 2025	1 day	Tech Trainers and Tester	1	Dr Amrita Naik
6	Faculty Mentor Development Program	12 th November 2025	1 day	Entrepreneurship Development Institute of India (EDII) – Goa Centre, under the EDC CSR Initiative	1	Amey Tilve

UPCOMING EVENTS

- DREAMBIG 2K26
- Field Trip/ Educational Tour for S.E./T.E./B.E. students.
- Expert talks and Seminars for S.E., T.E. and B.E. students.