



The Bombay Salesian Society's Don Bosco Institute of Technology

(Engineering College)

Title: Innovex 2024/ BE PROJECT COMPETITION/EXHIBITION

Date: April 24,2024

Time: 9.00 am to 5.00 pm

Venue: Santimondini Hall and IT labs 1, 2,7,4

Target Audience: FE,SE,TE students of all the branches

Faculty Coordinators: Prof. Shiv Negi, Dean R&D, and Dept. BE Project
coordinators: Ms. Madhavi S. Pednekar, Ms. Janhavi B. Ms. Cleta P., Mr. Mahesh
Rajwade, Ms. Sana Shaikh

Chief Guest: Mr. Max D'costa, Vice President – Digital Transformation & Product
Design Quinnox Inc.

Participants: 288 (from final year class of all the branches)

Description:

Don Bosco Institute of Technology organizes a project exhibition and interdepartmental competition ‘Innovex’ wherein the BE students from all four departments exhibit and demonstrate the projects developed by them under the guidance of respective faculty members.

Objective:

The Major objective of this exhibition is to provide a platform and unleash the potential of the students by showcasing their innovative projects developed in the Final Year either as Industry Defined Problem or User Defined Problem It also provides an opportunity for the students to demonstrate their learning experience.

Outcome:

The outcome of the exhibition is that students are able to present their topics more skilfully. The students are also encouraged to pitch in their ideas & solutions in front of distinguished guests.



The program commenced with a prayer by Rev. Fr. Nelson.



This was followed by lighting of the lamp.



This was followed by an address by the Principal who emphasized the importance of the final year project for innovation and growth.



Some of the esteemed judges who were invited from the industry. Many of these judges had a vast experience in their respective fields



The origin and journey of Innoovex was introduced by Prof. Cleta

Our esteemed chief guest Mr. Max D'costa, Vice President – Digital Transformation & Product Design Quinnox Inc. He spoke extensively about the importance of requirements gathering in projects and the development cycle.

The Innovex 2024 was open for the judging process thereafter.

Total projects : 96

Computer Engineering: 23

Electronics & Telecommunications Engineering: 18

Information Technology: 22

Mechanical Engineering: 33



Judges:

Department of Computer Engineering

- Mr. Joel Joseph Badigar, Consultant - Data Engineer, Hansa Cequity Pvt Ltd
- Ms. Melisha D'souza, Senior Instructional Designer , LearningMate Solutions Pvt Ltd

Department of Electronics and Telecommunications Engineering

- Mr. Santoshkumar Thombare, Scientific Officer, BARC
- Mr. Quentin Desouza, CTO Qdnet Technologies Pvt. Ltd.

Department of Information Technology Engineering

- Mr.Omkar Kadam, Lead DevOps Engineer, Cactus Communication.
- Mr. Vivek Hatkar, Delivery Manager, L&T Infotech

Department of Mechanical Engineering

- Mr. Yogesh J BhamareKhadi and Village Industries Commission
- Ministry of Micro, Small and Medium Enterprises is the ministry in the Government of India
- Mr. Sarjerao Kasar, Project Manager, Toyo Engineering
- Mr. Hitesh Hiran, Co-founder & Director, Spoctech Green Ventures Pvt. Ltd.

- Mr. Shreyas Bakshi, Founder, DWM Innovations Pvt. Ltd.
- Mr. Ajay Ramsubramaniam, Founder & CEO, Startup- Reseau.
- Mr. Chirag Tanna, Founder, Patent and Trademark Agent, INK IDEE

Innovex Winners

Department of Computer Engineering

1st Prize

Interactive 3D Bot with Generative AI

Team:

Mr. Belhekar Vipul Gurudatt Ujjwala

Mr. Dharmadhikari Yash Abhijit

Mr. Madkaikar Siddhesh Sanjay

Guide: Dr. Amiyakumar Tripathy

2nd Prize

EDSense - Early Screening and Dynamic Intervention of children with insufficient number sense

Team:

Avhad Sarvesh

Chaudhari Raj

Ghate Om

Guide: Ms. Dipti Jadhav

3rd Prize

Multilingual language model with code switch

Team:

Ms. Chaudhari Sanika

Ms. Jeughale Sakshi

Ms. Purohit Madhavi

Guide: Dr. Shaikh Phiroj

Department of Electronics & Telecommunication

1st Prize

Design and Development of a Metasurface Antenna for Sensing Applications. In collaboration with IIT BHU)

Team:

Ms. Rakshita Khantwal

Mr. Suraj Kumar

Guide: Dr. Ashwini Kotrashetti

Co-Guide: Ms. Freda Carvalho

2nd Prize

Development of Container GPS Tracking System to Enhance Supply Chain Security. (Industry Collaboration: QDnet Technologies)

Team:

Mr. Sanskar Kumar

Mr. Russel Dmello

Ms. Sakshi Kaveri

Mr. Shreyas Nanaware

Guide: Ms. Freda Carvalho

3rd Prize

Smart Water Management using LoRaWan (Industry Collaboration: QDnet Technologies)

Team:

Mr. Benish Christo Louis

Mr. Leroy Rodrigues

Mr. Deep Patel

Ms. Simran Koparkar

Guide:- Ms. Poonam Chakraborty

Department of Information Technology

1st Prize

Comparative Analysis of Deepfake Detection Models

Team:

Ms. Vendra Sekar

Mr. Om Jannu

Mr. Tushar Padhy

Guide: Mr. Prasad Padalkar

2nd Prize

Identification of Not Suitable for Work (NSFW) Images

Team:

Ms. Simar Kaur Dua

Mr. Ravi Pandey

Mr. Jasmit Rathod

Guide: Ms. Aruna Khubalkar

3rd Prize

Comparative Analysis of Models for Emotion, Mental Health Conditions, and Symptom Detection

Team:

Ms. Suhani Desale

Ms. Saanvi Naik

Guide:- Ms. Sunantha Krishnan

Department of Mechanical Engineering

1st Prize

A Novel 3 Axis Scissor kinematics based motion system with Double Universal Joint configuration.

Team:

Ms. Yadav Dixita Arvind Sudha

Mr. Mane Sameep Shashikant Sushma

Mr. Veer Vinayak Arun Asmita

Mr. Salunke Ritesh Rajan Reema

Guide: Mr. Swapnil Gujarathi

2nd Prize

FractureCast 2.0: A Multipurpose Photogrammetric Device for Advanced 3D Printing

Team:

Mr. Pinto Shaun Charles Anita

Mr. Parmar Dev Janak Vasanti

Mr. Ved Neel Ajay Krishna

Mr. Panchal Priyank Rajesh

Guide: Mr. Shreeprasad Manohar

3rd Prize

Conversion of Plastic Waste into Fuel, a Sustainable Approach

Team:

Mr. Surpal Gagandeep Singh

Mr. Panesar Harjinder Singh

Mr. Chogale Saurabh

Mr. Mahajan Aryaman

Guide:- Mr. Madan Kulkarni

Consolation Prize 1

Reimagining Women's Mobility in Urban Settings

Team:

Mr. Gupta Vidhu Shekhar Monika

Mr. Viraj Vidyadharan Suja

Mr. Chavan Neel Sanjay

Mr. Pratham Sandeep

Guide:- Dr. Prasanna Nambiar

Consolation Prize 2

Finite Element Modelling of Steel Incinerator Containing Biomedical Waste

Team:

Mr. Dwivedi Anuragdhar

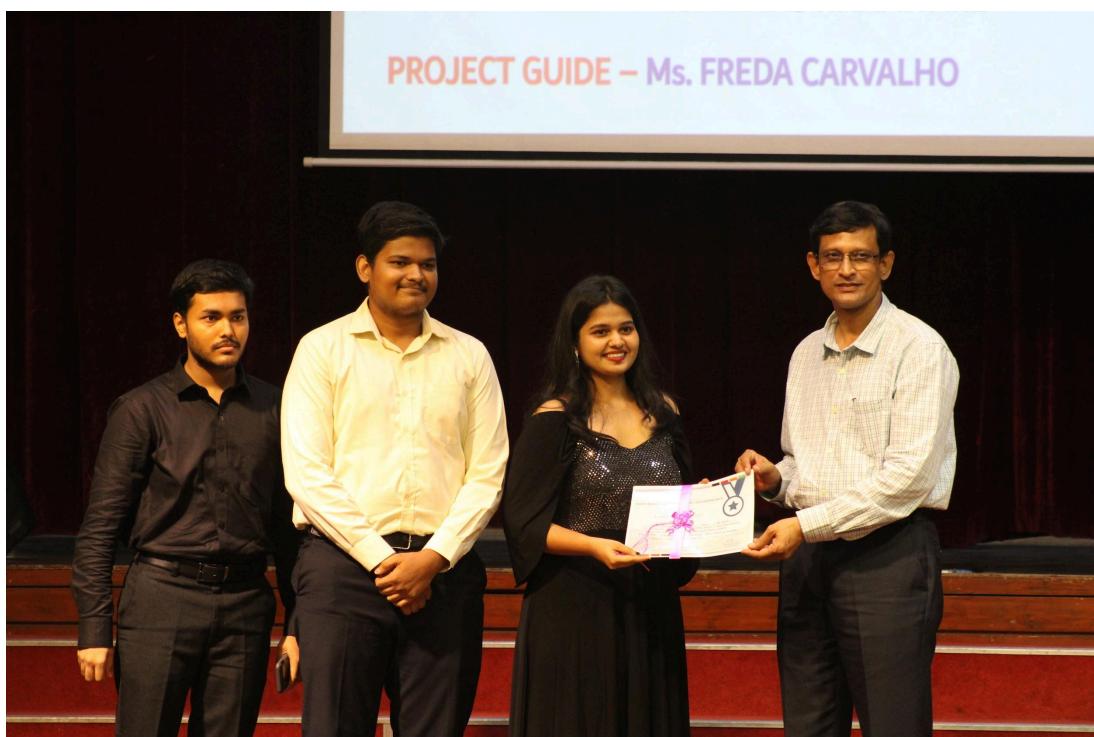
Mr. Gangishetti Shivanth

Mr. Yalgi Abhishek

Mr. Patankar Suyash

Guide:- Mr. Johnson Varghese

Event Photos:





Poster:



The Bombay Salesian Society's
DON BOSCO INSTITUTE OF TECHNOLOGY
KURLA, MUMBAI 400 070.



INNOVEX 2024

FINAL YEAR PROJECT EXHIBITION



SPIRIT OF INNOVATION

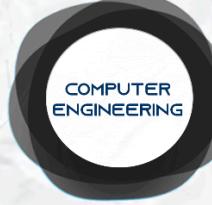
Research • Product Development • Sustainability • Societal Problems



MECHANICAL
ENGINEERING



INFORMATION
TECHNOLOGY



COMPUTER
ENGINEERING



ELECTRONICS
& TELECOMM.
ENGINEERING

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