



**Don Bosco Institute of Technology, Mumbai – 400070**  
**Department of Computer Engineering**

**Report on “Innovex ‘23”**

**Title:** Report on ‘Innovex TE Mini Project Poster Exhibition’

**Date:** 13/04/22

**Time:** 10:30 am - 4:00 pm

**Organizing Department/Committee/Authority:** Computer

**Faculty Coordinators:** Prof. Sana Shaikh

**Student Coordinators:** Leander Braganza, Shanaya Carvalho and Team

**Objective:**

- To give the Third Year students a platform to represent their Mini Project ideas and solutions to industry experts and seek transformative suggestions.

**Outcomes:**

- T.E students will be able to display their projects
- It gives the students from other departments
- T.E students get to display their skills and knowledge to the world

**Report:**

The Computer Department of Don Bosco Institute of technology held a ‘Innovex TE Mini Project Poster Exhibition’ on 13<sup>th</sup> April 2023 . The event was held from 10:30 am to 4 pm on the A wing 2<sup>nd</sup> floor , Computer Department. The event was organized by the guidance of Prof. Sana Shaikh.

The event began at 10.30 am with every group member being asked to come together to inaugurate and begin the poster exhibition. The T.E students were each given a place to display their poster in an order of their group number. The event was graced by many students and faculty members from various departments. The projects that were presented by each group were judged by 2 distinguished Experts from Industry. The

judges not only judged but were also given many suggestions, inputs and most important current expectations from Industry to each group . The T.E groups were also displaying their projects to the first year and second year students of all branches. Faculty members were also available to boost the confidence of the students. The event was full of learning by engaging the audience, explaining their entire work, clearing others queries and doubts about their project.

**Poster:**



## Pictures:









**Report prepared by**  
**Shanaya Carvalho**  
**( COMPS SE-CR)**

**Report approved by**  
**Prof. Sana Shaikh**  
**(Faculty Incharge)**

### Report on Innovex 2023 of IT Department

DBIT organizes project exhibition an interdepartmental annual competition where students from all four departments exhibits and demonstrates the project to the industrial experts. Innovex is in line with DBIT vision of producing Skilful, employable engineers who can ideate and design technical solutions for problems benefiting the individuals, society, and industrial needs.

This year Innovex 2023, VI edition was conducted for Third Year students for the subject ‘Mini Project 2B Based on ML’. This event was conducted on 13 April 2023 in classrooms of IT department, 1<sup>st</sup> floor A wing from 10:00 AM to 4:00 PM. There were around 22 group, each consisting of 3 to 4 members, have worked together to plan and executed the project. These projects are researched and developed under the guidance of respective faculty members of the department. They have faced a lot of challenges like learning a tool, learning concept of ML, perform research methodologies to develop solution in 3-months’ time.

The details of the projects are.

Group ID	Roll No.	Name of the Student	Title	Guides
1	11	Suhani Desale	Comment Toxicity Detection	Prof. Prasad
	39	Saanvi Naik		
	63	Sanika Surve		
2	43	Ravi Pandey	AI Based Chatbot	Prof. Prasad
	54	Jasmit Rathod		
	16	Simar Kaur		
3	25	Om Jannu	Automated Short Answer Grading System	Prof. Prasad
	64	Vendra Sekar		
	42	Tushar Padhy		
4	17	Anushka Engavle	Parking prediction	Prof. Prasad
	28	Rugved Langhi		
	49	Shreyash Patil		
5	20	Arsh	SPAM Message Detector	Prof. Prasad
	55	Shantanu Sakhare		
	69	Krishnaraj Yadav		
6	67	Drish	Air Toxicity Analysis	Prof. Vaishali
		Shubham		
	65	Talawadekar		
	45	Aniket Parate		
	47	Dnyaneshwar Jagannath Patil		
7	22	Iran Roche	Demand Request Forecast for ola & Uber	Prof. Vaishali
	24	Swastik Jain		
	59	Priya Shukla		
8	50	Vaibhav Patil	Temperature analysis and prediction model	Prof. Vaishali
	52	Nikhil Poojari		
	57	Tejas Sawant		
9	46	Nishita Parija	Stock Prediction	Prof. Vaishali
	62	Vaibhav Kumar Sinha		

	31	Benjamin Lobo		
10	2	Allen Joshua	Carbon emission pattern detection	Prof. Vaishali
	3	Mohammad Zaid Ansari		
	29	Lavena Babu		
	6	Anirudh bandari		
11	60	Vivek Shukla	Emotion Detector Model	Prof. Vaishali
	35	Allan Nadar		
	40	Sneha Naphade		
12	32	Gauri Malpani	Lip Reading Model	Prof. Uday
	27	Nisarg Koravane		
	13	Avin Dsouza		
13	48	Kunal Patil	American sign language recognition using SSD	Prof. Uday
	23	Aditya Jadhav		
	44	Rishab Pandey		
14	68	Aniket Yadav	PicoGPT: A NLP Model for AI Chatbot	Prof. Uday
	26	Kevin Geejo		
	4	Suyog Avhad		
15	5	Shivaditya Baghel	Using GANs to generate Monet-Style Paintings	Prof. Uday
	8	Saurav Chavan		
	7	Shreejeet Bhabal		
	12	Maxwel D'mello		
16	36	Bavison Nadar	Customer Segmentation (Banking)	Prof. Uday
	53	Noel Wilbret		
	1	Alen Davis		
	51	Ansfrid Pereira		
17	21	Shweta Gupta	Spam Detection	Prof. Aruna
	37	Mayuri Naik		
	33	Talha Mirza	Image caption generation using CNN & LSTM	Prof. Aruna
18	34	Hameed Mulani		
	41	Kunal Nikam		
	9	Daniel Colaco		
19	10	Rujuta Dabke	Job Recommendation System	Prof. Aruna
	18	Riean Esteves		
	15	Rhea Dsouza		
20	56	Nidhi Sarda	Music Genre Prediction	Prof. Aruna
	61	Likla Sinha		
	30	Ankit		
21	66	Rosy	AI Mental Health Chatbot	Prof. Aruna
	38	Taha Naik		
	14	Erica DSouza	Face detection for attendance using DL	Prof. Aruna
22	58	Sherine Sam		
	19	Muhammad F.		

These Projects are the innovative solutions developed by the students. Each project demonstrates the students technical and engineering skills and abilities to tackle complex real time problems.

The exhibits were judged by a panel of industry experts, who evaluated each project based on a set of criteria. The details of the judges are.



Mr. Satish Sugavanam,  
VP, Quinnox, Inc.  
email: [satishsugavanam@gmail.com](mailto:satishsugavanam@gmail.com)



Mr. Gaurav Sharma,  
Cyber Security Consultant & Trainer,  
vrisko Technologies  
email: [gaurav2601@gmail.com](mailto:gaurav2601@gmail.com)



Mr. Jayantilal Bhanushali  
Lead Machine Learning Engineer, Pelican AI  
email: [jayantibhanushali007@gmail.com](mailto:jayantibhanushali007@gmail.com)



Mr. Raunak  
Dreamorbit, Senior Software engineer  
email : [raunakgupta2608@gmail.com](mailto:raunakgupta2608@gmail.com)

The criteria for evaluation included i. Creativity & innovation, ii. Understanding of concepts, iii. Design & analysis of projects, iv. Scope for industrial, v. Social and entrepreneurial potential and vi. Level of project completion.

After careful consideration of the marks awarded by each judge, the panel selected the top three projects for awards. The First Prize went to 'Comment Toxicity Detection'. The second prize was awarded to 'Automated Short Answer Grading System' and the third prize was a tie shared between 'PicoGPT: A NLP Model for AI Chatbot', 'AI Based Chatbot'.

The proud winners are displayed below.

## I Prize

Project Title: **Comment Toxicity Detection**

Guide: **Prof. Prasad P.**

Group No: **1**



Group Members: **Miss. Suhani Desale, Miss. Saanvi Naik, Miss Sanika Surve**

## II Prize

Project Title: **Automated Short Answer Grading System**

Guide: **Prof. Prasad P.**

Group No: **3**



Group Members: **Mr. Tushar Padhy, Miss. Vendra Sekar, Mr. Om Jannu**

### **III Prize**

**Project Title: PicoGPT: A NLP Model for AI Chatbot**

**Guide: Prof. Udaychandra Nayak**

**Group No: 14**



**Group Members: Mr. Rishab Pandey, Mr. Aniket Yadav, Mr. Kevin Geejo**

### **III Prize**

**Project Title: AI Based Chatbot**

**Guide: Prof. Prasad P.**

**Group No: 2**



**Group Members: Mr. Ravi Pandey, Miss. Simar Kaur, Mr. Jasmit Rathod**

This Project exhibition for third year students was a resounding success. There were 10-12 faculties who visited to give their share of inputs to evaluate and to share their insights to improve the quality of the projects. Students of second year and first year of all department and

especially from IT department paid visit to get some patterns and insight about the work that is expected from TE students, a learning environment from their seniors. This was a great learning experience for the students, and we look forward what they will accomplish in future.

### Photos of Winners Celebration & Mini Project Exhibition



Innovex 2023 : I.T. Mini Project Exhibition

## **Report on “Poster competition of TE and BE projects”**

**Title:** Innovex 2023 poster competition TE mini projects and BE projects

**Mapping with 3-Track Programme:** Academic

**Speakers/ Resource personnel (External Judges) :** Nipun Mehta , Sujit Kasar, Prachi Dabke

**Date and Time:** On 13-04-2023 at 10:00 to 17:00

**Session Mode:** Offline

**Platform (if online):** NA

**Number of Attendees:** 158

**Faculty:** 6

**Student:** 149

**Number of External Attendees:** 3

**Social Media Link (Facebook/Twitter/Instagram):** NA

**YouTube Link:** NA

**Event Flyer:** NA

**Link to Registration Form Response:** NA

### **Goals and Objectives:**

To provide platform for the students to show case their project work

To motivate the students towards being innovative

To publish the project work of the students

To reward project work of the students

### **Description:**

Total 39 projects' posters were exhibited in CR5, CR6, Measurements lab and Refrigeration lab of the department.. 35 projects were TE students' mini projects. 4 projects were final year projects. Three judges from industry graded the projects. Six internal faculty also graded the projects. Rubrics used for grading were 1.creativity and innovation, 2. understanding of concepts, 3. design analysis of project,4. scope for industrial, social, entrepreneurial potential and 5. presentation skills. Based on average marks given by the panel of three judges (one external and two internal faculty) the three winners were decided.

The director, principal, deans and HODs of other departments of the institute also visited the exhibition, asked questions and appreciated the students about their work. Students expressed their thoughts and ideas clearly while explaining their projects.

### Event Screenshots/Photos:





**Sample Certificate (to first three winners)**



**Organizing Dept/Committee and its Members:**

Dr. Pradeepkumar Suryawanshi (HOD), Prof. Pavan Kulkarni (TE miniproject Coordinator), Prof. Johnson Nellisery (TE miniproject Coordinator), Prof. Mahesh Rajwade (BE project Coordinator), Prof. Cleta Pereira (BE project Coordinator) (Department of Mechanical Engineering)

# INNOVEX 2023 PRIZE WINNERS

Rank I	Rank II	Rank III
<p><b>Project:</b> Design and Implementation of UART using Verilog and FPGA</p>	<p><b>Project:</b> Wi-Fi Enabled Matrix Notice Board Display</p>	<p><b>Project:</b> Industrial based PLC using FPGA board</p>
<p><b>Team Members:</b></p> <ul style="list-style-type: none"> <li>Disha Maggu</li> <li>Nitish Chavan</li> <li>Rakshita Khantwal</li> <li>Rohit Gupta</li> <li>Shruti Gokhale</li> <li>Suraj Kumar</li> <li>Umer Shaikh</li> <li>Yash Sonavane</li> </ul>	<p><b>Team Members:</b></p> <ul style="list-style-type: none"> <li>Russell D'mello</li> <li>Sakshi Kaveri</li> <li>Sanskumar Kumar</li> <li>Shreyas Nanaware</li> <li>Kajal Sathe</li> <li>Darshan Kadlag</li> <li>Anto Ridon</li> <li>Vaishnav Nadar</li> </ul>	<p><b>Team Members:</b></p> <ul style="list-style-type: none"> <li>Gouresh Sankhe</li> <li>Adarsh Rao</li> <li>Lovely Varshney</li> <li>Abhishek Waghmare</li> <li>Kshitij Bare</li> <li>Jignesh Bhandi</li> <li>Omkar Mundhe</li> <li>Aditya Saju</li> </ul>

