



The Bombay Salesian Society's
Don Bosco Institute of Technology, Mumbai



INNOVEX 2024

WINNERS



The Bombay Salesian Society's
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WINNERS

**DEPARTMENT OF COMPUTER
ENGINEERING**



The Bombay Salesian Society's
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Department of Computer Engineering
INNOVEX WINNER 2024



1ST RANK

GROUP NO. – 23

TITLE – INTERACTIVE 3D BOT WITH GENERATIVE AI

**GROUP MEMBERS – BELHEKAR VIPUL GURUDATT UJJWALA
DHARMADHIKARI YASH ABHIJIT
MADKAIKAR SIDDHESH SANJAY**

PROJECT GUIDE – Dr. AMIYA K. TRIPATHY



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2ND RANK

GROUP NO. – 12

TITLE – EDSense – EARLY SCREENING & DYNAMIC INTERVENTION OF CHILDREN WITH INSUFFICIENT NUMBER SENSE

**GROUP MEMBERS – AVHAD SARVESH SUNIL
CHAUDHARI RAJ CHANDRAKANT
GHATE OM SANTOSH**

PROJECT GUIDE – Ms. DIPTI JADHAV



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3RD RANK

GROUP NO. – 18

TITLE – MULTILINGUAL LANGUAGE MODEL WITH CODE SWITCH

GROUP MEMBERS – CHAUDHARI SANIKA ANANT

JEUGHALE SAKSHI SANJAY

PUROHIT MADHAVI SATYANARANYA

PROJECT GUIDE – Dr. PHIROJ SHAIKH



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WINNERS

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



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1ST RANK

GROUP NO. – 10

**TITLE – DESIGN AND DEVELOPMENT OF METASURFACE ANTENNA FOR
SENSING APPLICATION
(COLLABORATION WITH IIT-BHU)**

**GROUP MEMBERS – RAKSHITA KHANTWAL
SURAJ KUMAR**

**PROJECT GUIDE – Dr. ASHWINI KOTRASHETTI
Ms. FREDA CARVALHO (Co-guide)**



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2ND RANK

GROUP NO. – 4

**TITLE – DEVELOPMENT OF A CONTAINER GPS TRACKING SYSTEM TO ENHANCE
SUPPLY CHAIN SECURITY**

(Industrial Collaboration: QDnet Technologies)

GROUP MEMBERS – SANSKAR KUMAR

RUSSEL DMELLO

SAKSHI KAVERI

SHREYAS NANAWARE

PROJECT GUIDE – Ms. FREDA CARVALHO



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3RD RANK

GROUP NO. – 6

TITLE – SMART WATER MANAGEMENT USING LoRaWAN
(Industrial Collaboration: QDnet Technologies)

GROUP MEMBERS – BENISH CHRISTO LOUIS
LEROY RODRIGUES
DEEP PATEL
SIMRAN KOPARKAR

PROJECT GUIDE – Ms. POONAM CHAKRABORTHY



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Late Prof. D. Sundararajan Award (*Special Award*)

GROUP NO. – 8

TITLE – ADVANCE NAVIGATIONAL SYSTEM FOR ACCURATE GPS LOCALIZATION
(*Industrial Collaboration : Acevin*)

GROUP MEMBERS – LOVELY VARSHNEY
ABHISHEK WAGHMARE
ADARSH RAO
GOURESH SANKHE

PROJECT GUIDE – Dr. ASHWINI KOTRASHETTI
Ms. JOSHUA MICHAEL (*Co-guide*)



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WINNERS

**DEPARTMENT OF
INFORMATION TECHNOLOGY**



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1ST RANK

GROUP NO. – 5

TITLE – COMPARATIVE ANALYSIS OF DEEPPAKE DETECTION MODELS

GROUP MEMBERS – VENDRA SEKAR
OM JANNU
TUSHAR PADHY

PROJECT GUIDE – Mr. PRASAD PADALKAR



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2ND RANK

GROUP NO. – 4

TITLE – IDENTIFICATION OF NOT SUITABLE FOR WORK (NSFW) IMAGES

GROUP MEMBERS – RAVI PANDEY
SIMAR KAUR
JASMIT RATHOD

PROJECT GUIDE – Ms. ARUNA K.



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3RD RANK

GROUP NO. – 1

**TITLE – COMPARATIVE ANALYSIS OF MODELS FOR EMOTION, MENTAL
HEALTH CONDITIONS AND SYMPTOM DETECTION**

**GROUP MEMBERS – SUHANI DESALE
SAANVINAIAK**

PROJECT GUIDE – Ms. SUNANTHA KRISHNAN



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WINNERS

**DEPARTMENT OF
MECHANICAL ENGINEERING**



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1ST RANK

GROUP NO. – 33

**TITLE – A NOVEL 3 AXIS SCISSOR KINEMATICS BASED MOTION SYSTEM
WITH DOUBLE UNIVERSAL JOINT CONFIGURATION**

**GROUP MEMBERS – YADAV DIXITA ARVIND SUDHA
MANE SAMEEP SHASHIKANT
VEER VINAYAK ARUN
SALUNKE RITESH RAJAN**

PROJECT GUIDE – Prof. SWAPNIL GUJARATHI



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2ND RANK

GROUP NO. – 1

**TITLE – FractureCast 2.0 : A MULTIPURPOSE PHOTOGRAMMETRIC
DEVICE FOR ADVANCED 3D PRINTING**

**GROUP MEMBERS – PINTO SHAUN CHARLES ANITA
PARMAR DEV JANAK VASANTI
VED NEEL AJAY KRISHAN
PANCHAL PRIYANK RAJESH**

PROJECT GUIDE – Prof. SHREEPRASAD MANOHAR



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3RD RANK

GROUP NO. – 27

TITLE – CONVERSION OF PLASTIC WASTE INTO FUEL, A SUSTAINABLE APPROACH

**GROUP MEMBERS – SURPAL GAGANDEEP SINGH
PANESAR HARJINDER SINGH
CHOGALE SAURABH S.
MAHAJAN ARYAMAN MANOJ**

PROJECT GUIDE – Prof. MADAN KULKARNI



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1ST CONSOLATION PRIZE
GROUP NO. – 5

TITLE – REIMAGINING WOMEN'S MOBILITY IN URBAN SETTING

GROUP MEMBERS – GUPTA VIDHU SHEKHAR
VIRAJ VIDYADHARAN SUJA
CHAVAN NEEL SANJAY
PRATHAM SANDEEP WALGNDE

PROJECT GUIDE – Dr. PRASANNA NAMBIAR



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2ND CONSOLATION PRIZE
GROUP NO. – 15

**TITLE – FINITE ELEMENT MODELLING OF STEEL INCINERATOR
CONTAINING BIOMEDICAL WASTE**

**GROUP MEMBERS – DWIVEDI ANURAGDHAR SHAKTIDHAR
GANGISHETTI SHIVANTH V.
YALGI ABHISHEK REWAPPA
PATANKAR SUYASH P.**

PROJECT GUIDE – Prof. JOHNSON VARGHESE



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**CONGRATULATIONS TO
ALL THE WINNERS**