DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Report on – AUTOBOTX –(DAY 1)

Title: AUTOBOTX Workshop organized by IEEE DBIT.
Date: 26th February
Time: 2 PM - 5 PM
Venue: Seminar Hall
Target Audience: DBIT Students
No. of Participants Present: 69
No. of Girl Participants Present: 27
No. of Boy Participants Present: 42

Resource Person: Mr. Hemant Hogade, Assistant Professsor, Dept. of Mechanical Engg.
Mr. Shreeprasad Manohar, Assistant Professsor, Dept. of Mechanical Engg.
Mr. Swapnil Gujarathi, Assistant Professsor, Dept. of Mechanical Engg.
Ms. Freda Carvalho,
Organization of Resourse Person: Don Bosco Institute of Technology Mumbai
Organizing Department / Committee / Authority: IEEE DBIT
Faculty Coordinator: Ms. Freda Carvalho

Objectives:

1. Equip participants with the fundamental knowledge and skills necessary to conceptualize, design, and construct their own chassis for their Bot.

2. Provide hands-on learning experiences that cover programming basics, mechanical assembly techniques, and practical applications in Bot development.

3. Foster an understanding of the principles behind Bot functionality, including sensors, actuators, and control systems.

4. Encourage creativity and innovation by guiding participants through the process of creating Bots capable of automating tasks, interacting with the environment, and demonstrating autonomous behavior.

5. Empower attendees to apply their newfound knowledge to real-world challenges, sparking interest and proficiency in robotics.

Outcomes:

- Through engaging presentations, hands-on learning activities, and practical assignments, students gained valuable skills and insights into the world of design and engineering.
- The event not only equipped them with technical knowledge but also fostered a spirit of creativity, collaboration, and lifelong learning.
- As the workshop concluded, participants left with a newfound confidence in their abilities and a sense of excitement for future endeavors in design and innovation.

Detailed Report:

The Fusion 360 workshop commenced with great enthusiasm and anticipation as Muhammad Fansofkar kicked off the event with an enthusiastic introduction. He warmly welcomed all the faculty members who had dedicated their time to assist and guide the students throughout the workshop. This set a positive tone for the rest of the day and created an environment conducive to learning and collaboration.

Mr.Shri Prasad, an experienced instructor from mechanical department, took the stage to lead the first session of the workshop. His expertise and passion for teaching were evident as he began by laying the foundation of Fusion 360, a powerful design software. With clarity and patience, he guided the students through the basics of the software, ensuring that everyone had a solid understanding before moving forward. From navigating the interface to using different functions, Shri Prasad provided comprehensive instruction, making the learning process accessible to all skill levels.

One of the highlights of the workshop was the emphasis on practical, hands-on learning. After each concept was introduced, students were immediately given assignments to apply what they had learned. These assignments served as checkpoints to assess the students' understanding and allowed them to practice their skills in a real-world context. The engagement and involvement of the students were commendable, with everyone actively participating and eager to complete their assignments.

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

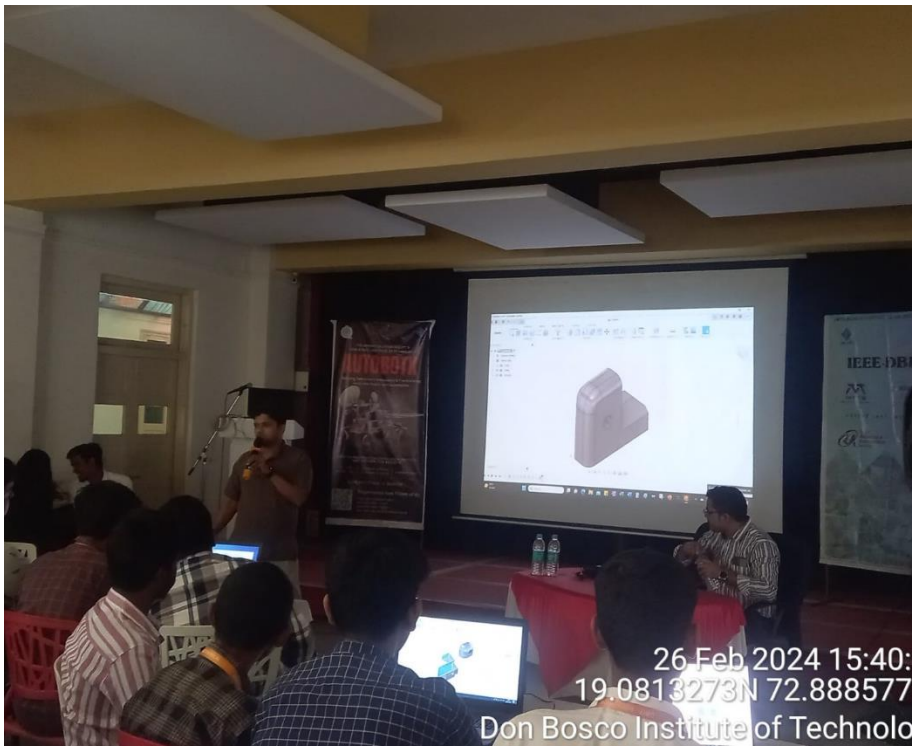
IEEE- DBIT

Snapshot of the Event:

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

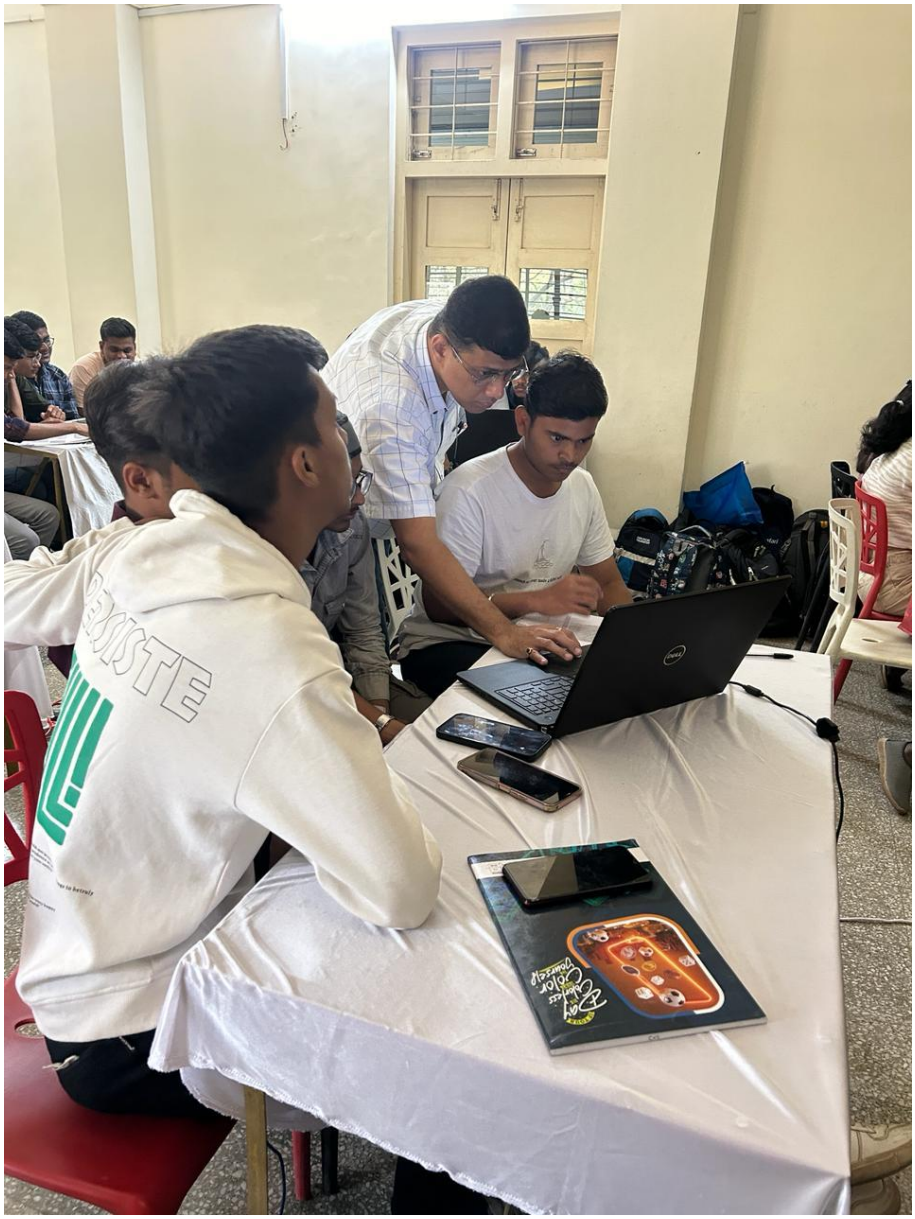
IEEE- DBIT



DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT



Feedback Analysis: \

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Event Poster:

Social Media Links:

INSTAGRAM - http://tinyurl.com/4ccd2djk
WEBSITE- Home | IEEE DBIT

Registration Details:

No. of DBIT Students: 69
No. of non-DBIT students: 0

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

S. No.	Name	Branch
1	Ankita Gadre	COMPS
2	Khushi Shetty	EXTC
3	Christopher Chettiar	COMPS
4	Aditya Dabhade	EXTC
5	Aditya Ajay Jadahv	EXTC
6	Prerana Gawale	EXTC
7	Hiamsnhu firke	COMPS
8	Aryan Arde	EXTC
9	Saumya Onnya	EXTC
10	Liston D'Souza	COMPS
11	Tushita Patil	COMPS
12	Apurva Kohad	EXTC
13	Dibyarupa Pradhan	EXTC
14	M.Delson Varghese	EXTC
15	Narayan Dalvi	EXTC
16	Aditya Punekar	EXTC
17	Annanya Zadbuke	EXTC
18	Raj Mohite	EXTC
19	Sanjeet Prajapati	EXTC
20	Shravani Pokale	COMPS
21	Suhani Sawant	EXTC
22	Joshua Almeida	COMPS
23	Tanvi Khicchi	IT
24	Srushti	IT
25	Bhumika Patil	IT
26	Aditi Mane	IT
27	Jagruti Chaudhari	IT
28	Sanika Lad	IT
29	Tanvi Patil	IT
30	Yash Patil	IT
31	Yashvi Jain	MECH
32	Samiksha Gaonkar	MECH
33	Mustafa Pathan	MECH
34	Aditya Parab	MECH

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

35	Clive dias	MECH
36	Jay Fernandes	MECH
37	Ayush tiwari	MECH
38	Jaydatt Sawant	MECH
39	Harsh Angre	MECH
40	Aditya mishra	MECH
41	Prajwal Gowda	MECH
42	Navnath varkute	MECH
43	Om Santosh sanap	MECH
44	Tanish Harish Kunder	MECH
45	Sanket Prajapati	MECH
46	Yashneil Edakkattill	MECH
47	Sahil Ghadigaonkar	MECH
48	Kashis Gupta	EXTC
49	Nabeela Ansar	EXTC
50	Samruddhi Kapadnis	EXTC
51	Darnajaf Sayyad	EXTC
52	Vedant Kiran Chaudhar	MECH
53	Atharva Prabhakar Chache	MECH
54	Sujal Santosh Adate	MECH
55	Divesh Bade	MECH
56	Dibyarupa Pradhan	EXTC
57	Pooja Kadam	EXTC
58	Aditya Jadhav	EXTC
59	Mayuri Kadam	EXTC
60	Mohd.Raza	EXTC
61	Prem Singh	EXTC
62	Girish Sangare	EXTC
63	Faiz Chougule	EXTC
64	Khan Munawar	EXTC
65	Mohd Daanyaal	EXTC
66	Mohd Aman Khan	EXTC
67	Mohd Arif	EXTC
68	Raj Mohite	EXTC
69	Rutvik Patil	EXTC

Report Prepared By: IEEE DBIT reporting team
Name of the Student: Aditya Punekar
Post of the student: Joint Reporting head

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Report Approved By:
Name of the Faculty: Ms. Freda Carvalho
Post of the Faculty:

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Report on – AUTOBOTX –(DAY 2)

Title: AUTOBOTX Workshop organized by IEEE DBIT.
Date: 27th February
Time: 9 AM - 5 PM
Venue: Seminar Hall
Target Audience: DBIT Students
No. of Participants Present: 69
No. of Girl Participants Present: 27
No. of Boy Participants Present: 42

Resource Person: Alister D'Silva Director Absolute Motion Pvt Ltd Mr. Hemant Hogade, Assistant Professsor, Dept. of Mechanical Engg.
Mr. Shreeprasad Manohar, Assistant Professsor, Dept. of Mechanical Engg.
Mr. Swapnil Gujarathi, Assistant Professsor, Dept. of Mechanical Engg**.**
Ms. Freda Carvalho,
Organization of Resourse Person: Don Bosco Institute of Technology Mumbai
Organizing Department / Committee / Authority: IEEE DBIT
Faculty Coordinator: Ms. Freda Carvalho

Objectives:

1. Provide a comprehensive understanding of Industry 4.0 and its significance in modern industrial contexts.
2. Illustrate practical applications of IoT devices through case studies, highlighting their role in enhancing efficiency and resource management.
3. Facilitate hands-on learning experiences through practical sessions on 3D model design using Fusion 360 and introduction to 3D printing technology.
4. Foster collaboration and knowledge-sharing among students and faculty members to enrich educational experiences in the field of Industry 4.0.
5. Inspire students to embrace innovation and technological advancement in their academic and

professional endeavors.

Outcomes:

1. Enhanced Understanding: Participants gain a deeper comprehension of Industry 4.0 concepts and its implications on industrial processes.

2. Practical Insights: Attendees acquire practical insights into the implementation of IoT devices through real-world case studies, fostering an appreciation for their role in enhancing operational efficiency.

3. Sensor Proficiency: Students develop proficiency in understanding and utilizing various sensors essential for IoT applications, broadening their skill set in sensor technology.

4. Awareness of Emerging Trends: Participants become aware of emerging trends in sensor technology, enabling them to anticipate and adapt to future advancements in the field.

5. Hands-on Experience: Engagement in practical sessions allows students to apply theoretical knowledge, honing their skills in 3D modeling and printing, thereby bridging the gap between theory and practice.

6. Collaboration and Networking: Opportunities for collaboration and knowledge-sharing among students and faculty members foster a supportive learning environment and promote interdisciplinary interactions.

7. Innovation Mindset: Attendees are inspired to cultivate an innovation mindset, encouraging them to explore novel solutions and embrace technological advancements in their academic and professional pursuits.

8. Recognition and Appreciation: The recognition of faculty members for their contributions underscores the importance of collaboration and teamwork in facilitating educational initiatives, fostering a culture of appreciation within the academic community.

Detailed Report:

The seminar commenced with a comprehensive introduction to Industry 4.0 by Alister Dsilva. He elucidated on the transformative potential of Industry 4.0 in revolutionizing various sectors, particularly through the integration of Internet of Things (IoT) devices. Three compelling case studies were presented to exemplify the practical applications of IoT devices:

Flow Meter with IoT Government Initiative (Central/State Water Department): This case study showcased how IoT devices, particularly flow meters, are being integrated into government initiatives, particularly within water departments at central and state levels. The implementation of IoT technology in monitoring water flow and usage represents a significant leap in efficiency and resource

management.

MNGL (Maharashtra Natural Gas Limited): The second case study delved into the utilization of IoT devices by MNGL to enhance operations and safety within the natural gas sector. Through IoT integration, MNGL can remotely monitor gas pipelines, detect leaks, and ensure the optimal functioning of their infrastructure.

Exploring Different Sensors
Following the case studies, Alister Dsilva enlightened the audience on various types of sensors crucial in the realm of Industry 4.0:
Sensor Fusion, LiDAR Sensor, Radar System, Camera Vision, Ultrasonic Sensor and AI Integration
Each sensor type was explained in terms of its functionality, applications, and significance within IoT ecosystems.

Emerging Trends
Moreover, emerging trends in sensor technology were discussed, shedding light on the future trajectory of IoT innovation:

Quantum Sensors
Bio-Inspired Sensors
Self-Calibration
These emerging trends signify a shift towards more advanced, efficient, and autonomous sensor technologies, promising further advancements in Industry 4.0 implementations.

Practical Sessions

After the theoretical exposition, students engaged in practical sessions aimed at fostering hands-on learning experiences:
3D Model Design: Students were tasked with creating 3D models of chassis using Fusion 360 software. This exercise aimed to acquaint students with design principles and software tools essential for the bots
Introduction to 3D Printing: Subsequently, students were introduced to the world of 3D printing through the campus's 3D modeling lab. This practical demonstration provided insights into additive manufacturing techniques and their relevance in modern manufacturing processes

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

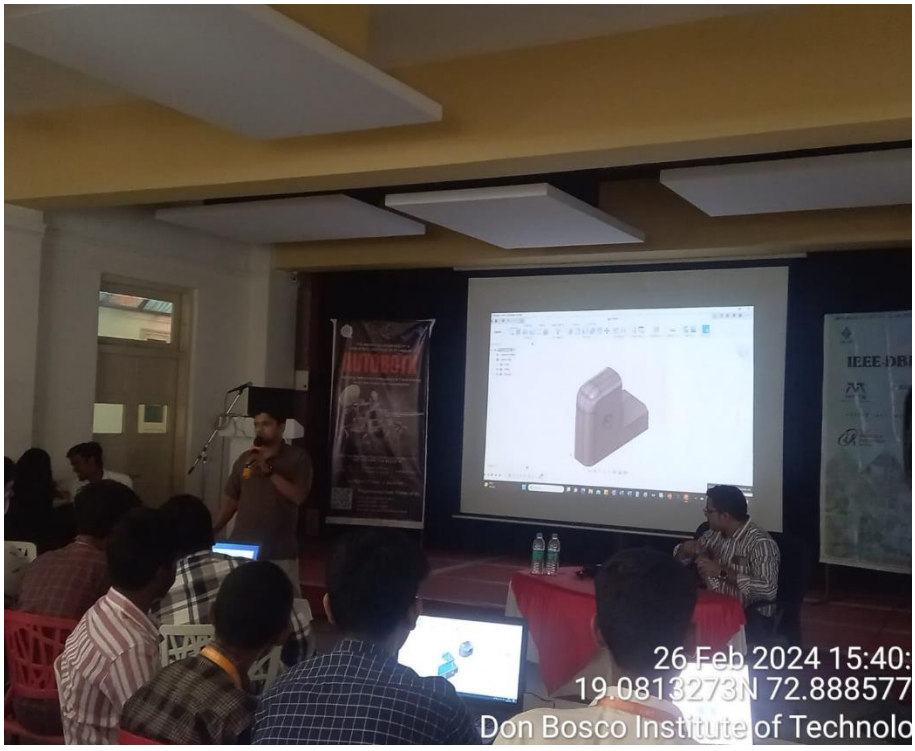
IEEE- DBIT

Snapshot of the Event:

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

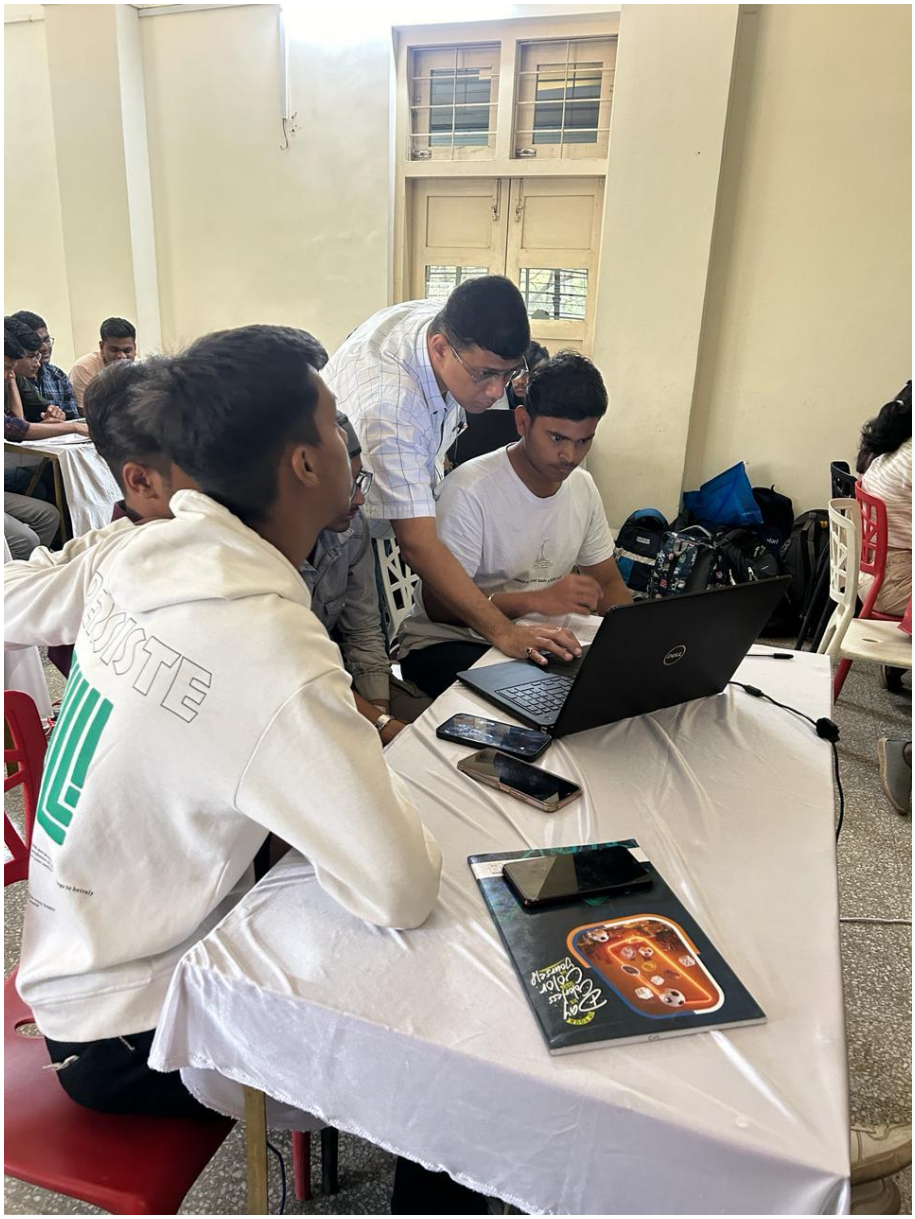
IEEE- DBIT



DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT



Feedback Analysis: \

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Event Poster:

Social Media Links:

INSTAGRAM - http://tinyurl.com/4ccd2djk
WEBSITE- Home | IEEE DBIT

Registration Details:

No. of DBIT Students: 69
No. of non-DBIT students: 0

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

S. No.	Name	Branch
1	Ankita Gadre	COMPS
2	Khushi Shetty	EXTC
3	Christopher Chettiar	COMPS
4	Aditya Dabhade	EXTC
5	Aditya Ajay Jadahv	EXTC
6	Prerana Gawale	EXTC
7	Hiamsnhu firke	COMPS
8	Aryan Arde	EXTC
9	Saumya Onnya	EXTC
10	Liston D'Souza	COMPS
11	Tushita Patil	COMPS
12	Apurva Kohad	EXTC
13	Dibyarupa Pradhan	EXTC
14	M.Delson Varghese	EXTC
15	Narayan Dalvi	EXTC
16	Aditya Punekar	EXTC
17	Annanya Zadbuke	EXTC
18	Raj Mohite	EXTC
19	Sanjeet Prajapati	EXTC
20	Shravani Pokale	COMPS
21	Suhani Sawant	EXTC
22	Joshua Almeida	COMPS
23	Tanvi Khicchi	IT
24	Srushti	IT
25	Bhumika Patil	IT
26	Aditi Mane	IT
27	Jagruti Chaudhari	IT
28	Sanika Lad	IT
29	Tanvi Patil	IT
30	Yash Patil	IT
31	Yashvi Jain	MECH
32	Samiksha Gaonkar	MECH
33	Mustafa Pathan	MECH
34	Aditya Parab	MECH

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

35	Clive dias	MECH
36	Jay Fernandes	MECH
37	Ayush tiwari	MECH
38	Jaydatt Sawant	MECH
39	Harsh Angre	MECH
40	Aditya mishra	MECH
41	Prajwal Gowda	MECH
42	Navnath varkute	MECH
43	Om Santosh sanap	MECH
44	Tanish Harish Kunder	MECH
45	Sanket Prajapati	MECH
46	Yashneil Edakkattill	MECH
47	Sahil Ghadigaonkar	MECH
48	Kashis Gupta	EXTC
49	Nabeela Ansar	EXTC
50	Samruddhi Kapadnis	EXTC
51	Darnajaf Sayyad	EXTC
52	Vedant Kiran Chaudhar	MECH
53	Atharva Prabhakar Chache	MECH
54	Sujal Santosh Adate	MECH
55	Divesh Bade	MECH
56	Dibyarupa Pradhan	EXTC
57	Pooja Kadam	EXTC
58	Aditya Jadhav	EXTC
59	Mayuri Kadam	EXTC
60	Mohd.Raza	EXTC
61	Prem Singh	EXTC
62	Girish Sangare	EXTC
63	Faiz Chougule	EXTC
64	Khan Munawar	EXTC
65	Mohd Daanyaal	EXTC
66	Mohd Aman Khan	EXTC
67	Mohd Arif	EXTC
68	Raj Mohite	EXTC
69	Rutvik Patil	EXTC

Report Prepared By: IEEE DBIT reporting team
Name of the Student: Aditya Punekar
Post of the student: Joint Reporting head

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Report Approved By:
Name of the Faculty: Ms. Freda Carvalho
Post of the Faculty:

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

IEEE-DBIT STUDENT CHAPTER
Report on
AUTOBOTX (DAY 3)

Title: AUTOBOTX Workshop organized by IEEE DBIT.
Date: 28th February
Time: 9 AM - 5 PM
Venue: Seminar Hall
Target Audience: DBIT Students
No. of Participants Present: 69
No. of Girl Participants Present: 27
No. of Boy Participants Present: 42

Resource Person: Ms. Freda Carvalho
Organization of Resourse Person: Don Bosco Institute of Technology Mumbai
Organizing Department / Committee / Authority: IEEE DBIT
Faculty Coordinator: Ms. Freda Carvalho

Objectives:

6. Provide a comprehensive understanding of Industry 4.0 and its significance in modern industrial contexts.
7. Illustrate practical applications of IoT devices through case studies, highlighting their role in enhancing efficiency and resource management.
8. Facilitate hands-on learning experiences through practical sessions on 3D model design using Fusion 360 and introduction to 3D printing technology.
9. Foster collaboration and knowledge-sharing among students and faculty members to enrich educational experiences in the field of Industry 4.0.
10. Inspire students to embrace innovation and technological advancement in their academic and professional endeavors.

Outcomes:

9. Enhanced Understanding: Participants gain a deeper comprehension of Industry 4.0 concepts and its implications on industrial processes.

10. Practical Insights: Attendees acquire practical insights into the implementation of IoT devices through real-world case studies, fostering an appreciation for their role in enhancing operational efficiency.

11. Sensor Proficiency: Students develop proficiency in understanding and utilizing various sensors essential for IoT applications, broadening their skill set in sensor technology.

12. Awareness of Emerging Trends: Participants become aware of emerging trends in sensor technology, enabling them to anticipate and adapt to future advancements in the field.

13. Hands-on Experience: Engagement in practical sessions allows students to apply theoretical knowledge, honing their skills in 3D modeling and printing, thereby bridging the gap between theory and practice.

14. Collaboration and Networking: Opportunities for collaboration and knowledge-sharing among students and faculty members foster a supportive learning environment and promote interdisciplinary interactions.

15. Innovation Mindset: Attendees are inspired to cultivate an innovation mindset, encouraging them to explore novel solutions and embrace technological advancements in their academic and professional pursuits.

16. Recognition and Appreciation: The recognition of faculty members for their contributions underscores the importance of collaboration and teamwork in facilitating educational initiatives, fostering a culture of appreciation within the academic community.

Detailed Report:

The seminar commenced with a comprehensive introduction to Arduino Mega by our Chair Person Ms. Annanya Zadbuke. Annanya Zadbuke's presentation on the Arduino Mega provided attendees with a comprehensive understanding of this powerful microcontroller board. She delved into the specifics of its hardware and software, detailing the ATmega2560 microcontroller at its core and its extensive array of digital and analog input/output pins, including PWM outputs for precise control. Anannya elucidated how the Arduino Mega serves as the brain of robotics projects, capable of interfacing with various sensors, actuators, and communication modules.

Furthermore, Anannya elucidated the capabilities of the Arduino Mega in handling complex tasks, such as sensor data acquisition, signal processing, and motor control. She highlighted its compatibility with a wide range of sensors and actuators, making it suitable for diverse robotic applications, from simple line-following robots to sophisticated robotic arms. Anannya demonstrated the Arduino programming environment, showcasing how to write and upload code to the Arduino Mega, empowering participants to embark on their robotics projects with confidence.

Aditya Jadhav's detailed insights into the HC05 module went beyond basic functionality, providing attendees with a comprehensive understanding of its significance in robotics. He elaborated on the HC05 module's capability to establish robust wireless communication channels, enabling seamless data exchange between robotic components. Aditya delved into pairing procedures, elucidating the steps required to establish connections between the HC05 module and other devices.

Moreover, Aditya discussed various communication protocols compatible with the HC05 module, including Bluetooth Classic and Bluetooth Low Energy (BLE), highlighting their respective strengths and applications in different robotic scenarios. He emphasized the importance of choosing the appropriate protocol based on the specific requirements of the robotic project.

Rutvik Patil's detailed insights into DC motors and the Arduino Motor Shield went beyond basic functionality, providing attendees with a comprehensive understanding of their significance in electronics and robotics. He elaborated on the fundamentals of DC motors, explaining how they convert electrical energy into mechanical motion, and the various types of DC motors such as brushed, brushless, shunt, series, and compound motors. Rutvik also highlighted the practical applications of these motors in various industries, from automotive to home appliances.

Moreover, Rutvik delved into the specifics of brushless DC motors (BLDC), detailing their advantages, such as higher efficiency and longer lifespan, as well as their disadvantages like higher initial cost and complexity in control. He also discussed the technical specifications and common uses of BLDC motors in projects, emphasizing their suitability for applications requiring high reliability and efficiency.

Rutvik then transitioned to the Arduino Motor Shield, providing an overview of Arduino and its widespread use in interactive projects. He explained the role of the motor shield in simplifying the control of DC motors, allowing for easy integration with the Arduino board. Rutvik covered the interfacing procedures, from connecting the motors to the shield, to writing and uploading Arduino code for controlling motor speed and direction.

Additionally, Rutvik discussed various troubleshooting techniques and best practices, helping attendees understand how to effectively handle common issues and optimize their motor control projects. He emphasized the importance of practical knowledge and hands-on experience, guiding participants through the assembly of circuits and coding exercises to reinforce their learning.

Dibyarupa Pradhan's detailed insights into the HMC5883L sensor went beyond basic functionality, providing attendees with a comprehensive understanding of its significance in electronics and navigation applications. She elaborated on the HMC5883L magnetometer module's ability to measure magnetic

fields along three axes, enabling precise compass functionality. Dibyarupa explained how the sensor utilizes magnetoresistive technology, arranged in a bridge circuit, to achieve high sensitivity and accuracy in magnetic field detection.

Moreover, Dibyarupa discussed the technical specifications of the HMC5883L, including its digital interface, which uses I2C communication protocol, and its compatibility with a wide range of microcontrollers like Arduino. She highlighted the module's on-board voltage regulator, which ensures stable operation across a range of input voltages from 3V to 6V.

Dibyarupa provided a detailed explanation of the pairing procedures and steps required to interface the HMC5883L sensor with microcontrollers, emphasizing the importance of accurate calibration to enhance measurement precision. She also discussed various applications of the HMC5883L sensor, such as digital compasses, navigation systems, and robotics, where precise orientation and heading information are crucial.

Additionally, Dibyarupa guided participants through practical exercises, including the assembly of a digital compass using the HMC5883L and Arduino. She covered the essential coding techniques required to read and interpret sensor data, as well as troubleshooting common issues to ensure reliable performance.

Premkumar Singh's detailed insights into the Ublox NEO-6M GPS module went beyond basic functionality, providing attendees with a comprehensive understanding of its significance in navigation and positioning applications. He elaborated on the NEO-6M module's capability to track up to 22 satellites and provide accurate location data anywhere on the globe. Premkumar highlighted the module's built-in 25 x 25 x 4mm ceramic antenna, which ensures a strong and reliable GPS signal reception.

Moreover, Premkumar discussed the technical specifications of the NEO-6M GPS module, including its UART TTL connections and compatibility with various microcontrollers, such as Arduino. He emphasized the module's ease of integration into different projects, making it a popular choice for applications like vehicle tracking, navigation systems, and personal locators.

Premkumar provided a detailed explanation of the interfacing procedures and steps required to connect the NEO-6M module with microcontrollers. He also demonstrated practical exercises on how to read and interpret GPS data using Arduino, covering essential coding techniques and troubleshooting common issues t o ensure reliable performance. Through these hands-on sessions, attendees gained valuable experience in utilizing the NEO-6M GPS module for precise location tracking in their projects.

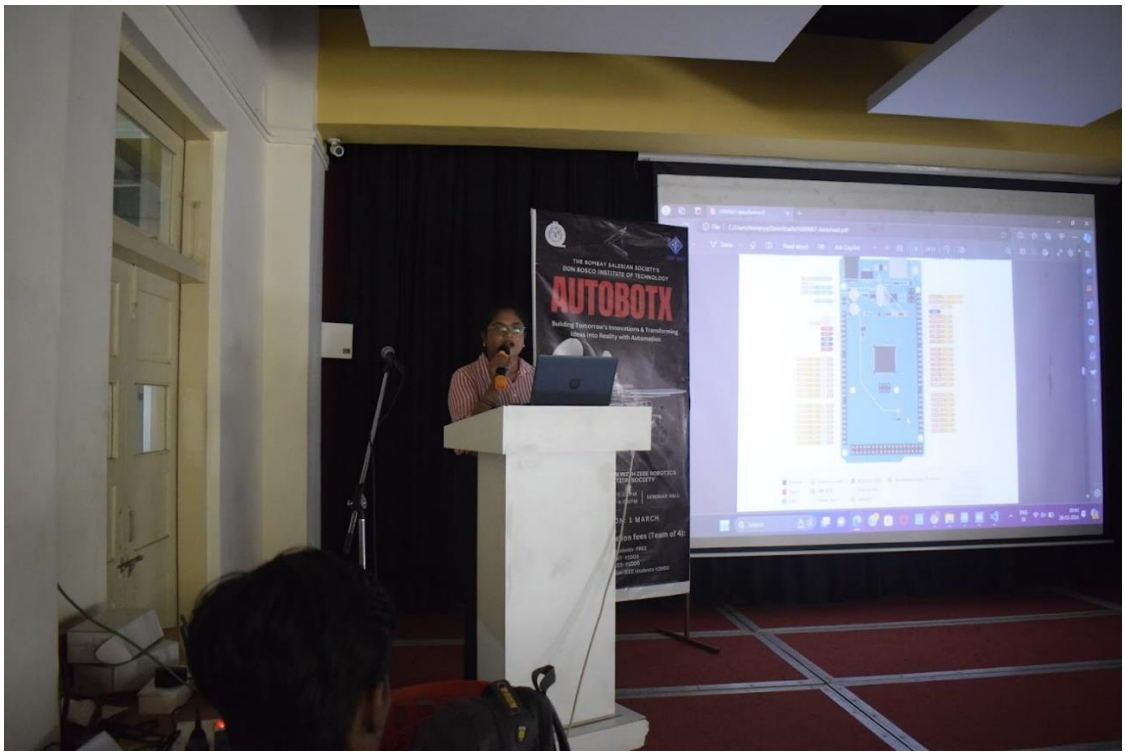
Raj Mohite's insightful presentation on the development of the MERa app went beyond the surface-level details, offering attendees a deep dive into the technical and practical aspects of the project. Raj began by highlighting the core functionalities of the MERa app, which focuses on providing users with a seamless experience for managing their daily tasks and activities through an intuitive and user-friendly interface.

Raj elaborated on the app's architecture, which leverages a robust back-end framework built using Spring Boot and Java, ensuring high performance and scalability. He detailed the integration of cloud services using Azure, emphasizing the app's ability to handle large volumes of data efficiently and securely.

Furthermore, Raj discussed the importance of user feedback in the iterative development process. He explained how the app's design was continuously refined based on user input, leading to a more tailored and effective user experience. The use of Google Cloud services for real-time data analytics was also highlighted, showcasing the app's capability to provide personalized insights and recommendations to users.

In addition to the technical aspects, Raj touched upon the collaborative efforts of the development team. He emphasized the role of agile methodologies in the project's success, ensuring that the team remained adaptable and responsive to changing requirements and challenges. Through this comprehensive explanation, attendees gained a thorough understanding of both the technical and strategic elements involved in the development of the MERa app.

Snapshot of the Event:



DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Feedback Analysis:

Event Poster:

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Social Media Links:
INSTAGRAM - http://tinyurl.com/4ccd2djk
WEBSITE- Home | IEEE DBIT

Registration Details:
No. of DBIT Students: 69
No. of non-DBIT students: 0

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

S. No.	Name	Branch
1	Ankita Gadre	COMPS
2	Khushi Shetty	EXTC
3	Christopher Chettiar	COMPS
4	Aditya Dabhade	EXTC
5	Aditya Ajay Jadahv	EXTC
6	Prerana Gawale	EXTC
7	Hiamsnhu firke	COMPS
8	Aryan Arde	EXTC
9	Saumya Onnya	EXTC
10	Liston D'Souza	COMPS
11	Tushita Patil	COMPS
12	Apurva Kohad	EXTC
13	Dibyarupa Pradhan	EXTC
14	M.Delson Varghese	EXTC
15	Narayan Dalvi	EXTC
16	Aditya Punekar	EXTC
17	Annanya Zadbuke	EXTC
18	Raj Mohite	EXTC
19	Sanjeet Prajapati	EXTC
20	Shravani Pokale	COMPS
21	Suhani Sawant	EXTC
22	Joshua Almeida	COMPS
23	Tanvi Khicchi	IT
24	Srushti	IT
25	Bhumika Patil	IT
26	Aditi Mane	IT
27	Jagruti Chaudhari	IT
28	Sanika Lad	IT
29	Tanvi Patil	IT
30	Yash Patil	IT
31	Yashvi Jain	MECH
32	Samiksha Gaonkar	MECH
33	Mustafa Pathan	MECH
34	Aditya Parab	MECH

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

35	Clive dias	MECH
36	Jay Fernandes	MECH
37	Ayush tiwari	MECH
38	Jaydatt Sawant	MECH
39	Harsh Angre	MECH
40	Aditya mishra	MECH
41	Prajwal Gowda	MECH
42	Navnath varkute	MECH
43	Om Santosh sanap	MECH
44	Tanish Harish Kunder	MECH
45	Sanket Prajapati	MECH
46	Yashneil Edakkattill	MECH
47	Sahil Ghadigaonkar	MECH
48	Kashis Gupta	EXTC
49	Nabeela Ansar	EXTC
50	Samruddhi Kapadnis	EXTC
51	Darnajaf Sayyad	EXTC
52	Vedant Kiran Chaudhar	MECH
53	Atharva Prabhakar Chache	MECH
54	Sujal Santosh Adate	MECH
55	Divesh Bade	MECH
56	Dibyarupa Pradhan	EXTC
57	Pooja Kadam	EXTC
58	Aditya Jadhav	EXTC
59	Mayuri Kadam	EXTC
60	Mohd.Raza	EXTC
61	Prem Singh	EXTC
62	Girish Sangare	EXTC
63	Faiz Chougule	EXTC
64	Khan Munawar	EXTC
65	Mohd Daanyaal	EXTC
66	Mohd Aman Khan	EXTC
67	Mohd Arif	EXTC
68	Raj Mohite	EXTC
69	Rutvik Patil	EXTC

Report Prepared By: IEEE DBIT reporting team
Name of the Student: Aditya Jadhav
Post of the student: Reporting head

DON BOSCO INSTITUTE OF TECHNOLOGY

Premier Automobiles Road, Kurla West, Mumbai - 400070

IEEE- DBIT

Report Approved By:
Name of the Faculty: Ms. Freda Carvalho
Post of the Faculty: