



Bhagwan Mahavir University Newsletter

Quiz Competition by NSS Cell of Faculty of Engineering and Technology & Polytechnic

On the 14th October, 2024 National Service Scheme (NSS) Unit of Faculty of Engineering and Technology (MSCET, BMCET & BAIT) & Polytechnic successfully organized a Quiz Competition, as a part of “Vikash Sapta Campaign” of Government of India.



Session was coordinated by Mr. Vijay Kothari, NSS Program Officer, FOE & Mr. Suresh Sapariya, NSS Program Officer, Polytechnic, in which students were asked questions related to NSS Aim, its objective, Motto, Various State level & central level competition, Special Camps, Awards, Structure. 09 participants, from all semesters enthusiastically participated in the competition.



Drone workshop and extended lecture on application of drone by department of Aeronautical Engineering and Mechanical Engineering

The Department of Aeronautical Engineering and Mechanical Engineering organized a one-day workshop titled ‘Drone Flying Workshop and Recent Trends in Drone Technology with Applications.’ on 18th October 2024 at college premises. The workshop was a grand success, with over 200 students gaining exposure to the latest trends in drone technology.



The workshop commenced with an insightful session by Mr. Viral Sondagar, who covered the basic principles of drone technology, flight mechanics, and the regulatory aspects of drone operation as mandated by the DGCA (Directorate General of Civil Aviation). Mr. Riv Nehriwala followed with a detailed presentation on the applications of drones in civil engineering, focusing on land surveying, project monitoring, and mapping.



The second half of the workshop was dedicated to a practical flying session where students could apply the theoretical knowledge gained during the presentations. Under the supervision of both experts, students were introduced to drone piloting techniques, including pre-flight checks, maneuvering, and emergency protocols.

The presence of industry experts Mr. Viral Sondagar and Mr. Riv Nehriwala made the event even more enriching, giving students a rare opportunity to learn from professionals who have made significant contributions to the field.

Extension Lecture : IoT Devices with Real-World Interfacing for Practical Applications



On November 22, 2024 the Electronics and Communication & Electrical department, Faculty of Engineering and Technology at Bhagwan Mahavir University organized a one-day extension lecture titled “IoT Devices with Real-World Interfacing for Practical Applications.” With participation from over 50 students, the workshop provided an invaluable opportunity to gain hands-on experience and learn from experts in the IoT industry.



The session was conducted by Dr. Priyanka Modi, who covered the basic principles of IoT technology, AI-ML, and basic semiconductor technology. She also explained the different types of sensors, their components, and the microcontrollers. The presence of industry experts made the event even more enriching, giving students a rare opportunity to learn from professionals who have made significant contributions to the field.

Extension Lecture : Full stack development

Computer & IT Engineering Department of, Faculty of Engineering and Technology in Bhagwan Mahavir University, Surat Organized an extension lecture Entitled on" Full stack development with Node.js", conducted by Grove EdTech for B.tech computer Engineering students on 18th November, 2024. Expert Mr. Brijesh Chandra and Mr Rakesh Nehriwala from Grove EdTech enhanced his knowledge with our students. Around 120 students and 6 faculties of the Department attended the session.





The lecture was divided into several key segments, each focusing on different aspects of Full Stack Development and the use of Node.js. The primary goal was to give participants a hands-on understanding of how to leverage Node.js to build both server-side applications and integrate them with frontend technologies.

Orientation session by Tata STRIVE for final year B.Tech students regarding internship Overview

The Orientation session for final year computer engineering students of bachelor of technology was organized by the Computer engineering department on November 19, 2024 in seminar hall. Around 150 students and 03 faculties of the Department attended the session.



The Tata STRIVE Internship Program for Computer Engineering students provides an exceptional platform for young engineers to bridge the gap between academic theory and industry practice. By offering exposure to cutting-edge technologies, hands-on project experience, and mentorship from industry experts, the program helps students enhance their technical skills, improve their problem-solving abilities, and develop a deeper understanding of real-world applications in the tech industry.

‘Cyber Security Awareness’ Seminar by Computer and IT Engineering Department

On November 21, 2024, Department of Computer Engineering of, Faculty of Engineering and Technology organized a seminar on Cyber security awareness for the



students of the department. There are around 105 students and 04 faculty members have attended the session.



The Cybersecurity Awareness program conducted by Mr. Sahil Rangrej from HackNox Info Solutions for students successfully equipped participants with the knowledge and tools to better protect themselves in the digital world. As students are among the most active and engaged online users, the program's focus on cybersecurity awareness was critical in helping them understand the risks associated with their digital activities and adopt safer practices.

Expert Lecture on ‘Soil Formation & Field Testing to Determine Soil Property’

On 25th November 2024, Department of Civil Engineering of, Faculty of Engineering has successfully conducted an expert lecture on “Soil Formation & Field Testing to Determine Soil Property” for B.Tech

engineering students. The expert talk was delivered by Dr. Nirav Umrvadia, Asst Professor, Applied Mechanics Department, GEC, Dahod. Around seventy students and six faculties attended the session. The lecture provided valuable insights into the processes of soil formation and the essential role that the soil plays in civil engineering.



The speaker's expertise helped underline the importance of understanding soil properties and their application for construction. The field testing methods discussed provide practical tools for evaluating soil characteristics, ultimately helping land managers, farmers, engineers, and environmental scientists make data-driven decisions.

A Guest Lecture : Mind , Mouth & Magic

On November 27, 2024 Department of HSD of, Faculty of Engineering and Technology, a guest lecture titled "Mind, Mouth, and Magic" was

conducted for the first-year engineering students in seminar hall.



The event aimed to explore the profound connections between our thoughts, our words, and the remarkable potential they hold when combined effectively. The guest speaker for the session was Mr. Parth Shah provided valuable insights into aligning thoughts and words to unlock magic in our lives. The students had the opportunity to learn while doing different activities. Total of around 125 students attended the session.



A Guest Lecture : Advances in Chemical Research-From theory to application

The Department of Humanities & Science , of the Faculty of Engineering and Technology, organized a guest lecture on ‘Advances in Chemical Research: From Theory to Application’ for students and faculties on 27th November,2024. Around ninety students attended the session.



The speaker Mr. Rahul Gupta aimed to bridge the gap between theoretical chemical research and its practical applications, highlighting the latest advancements in the field. The session was designed to offer attendees valuable insights into the latest research trends, practical applications of theoretical models, and the future directions of chemical science.

The Hackers' Meetup: BMU Chapter - Cybersecurity Architecture

On 7th December , 2024, the Department of computer engineering of, Faculty of Engineering and Technology organized a session on Cybersecurity Architecture bringing together students, professionals, and enthusiasts to explore principles of secure system design, strategies for mitigating vulnerabilities, and emerging trends in the field.





The speakers, Mr. Shailesh Patel and Mr. Dharmesh Hadiya covered insights entitled Future Trends in Cyber Defence Cybersecurity Architecture and Leveraging LinkedIn to Land a Job in Cybersecurity respectively. Total around 62 students attended the session.

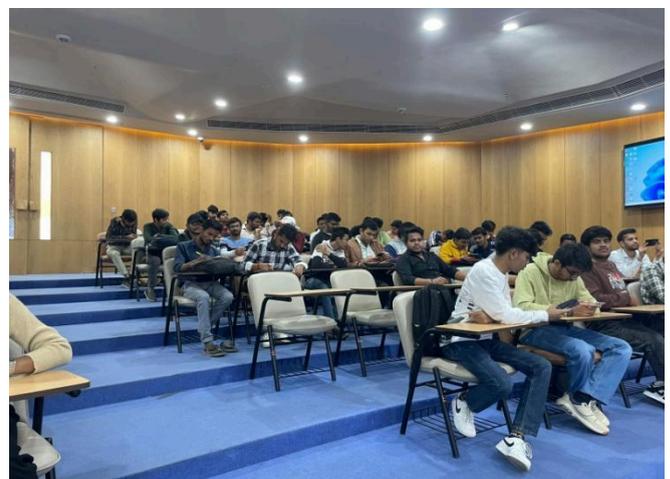


The sessions emphasized the importance of adapting to emerging cybersecurity trends, such as Zero Trust and AI-driven security, while also leveraging platforms like LinkedIn for professional growth. Key takeaways included the need for continuous learning, strategic networking, and staying updated with industry developments to enhance both organizational security and career opportunities in cybersecurity.

Integrated Command and Control Center (ICCC) , A Technical Visit



The Humanities and Science department of the Faculty of Engineering and Technology organized an Integrated Command and Control Center (ICCC) technical visit on 17th December , 2024 for a group of first-year students. In this visit total 95 students visited along with three faculties. The visit aimed to provide students with insights into the functioning and significance of smart city operations and the role of advanced technology in urban governance. The students were given an introductory briefing about the center's role in managing essential city functions, including traffic management, emergency response, surveillance, and smart city initiatives.



The session began with a detailed presentation by the ICCC officials, explaining the integration of various technological systems for real-time monitoring and management.

Technical Job Fair-2024 by Faculty of Engineering and Technology

The Tech Job Fair 2024 was organized by the Training & Placement Cell of Faculty of Engineering & Technology on 23rd December 2024 to provide a platform for students to interact with leading companies in the technology sector and explore placement opportunities. The event aimed to bridge the gap between job seekers and recruiters, fostering professional growth and industry-academia collaboration.



The event was inaugurated by Dr. Manoj Kumar, (Provost - BMU), who highlighted the importance of fostering industry-academia partnerships. There were 25 companies participated in tech job fair. Total around 164 participants registered from which 61 have shortlisted.

