**Association for Computing Machinery**

ACM-W (Association for Computing Machinery - Women) made a vibrant presence at the STEM event held on 15th April 2023. The organization actively participated in the event by setting up a stall aimed at promoting interest and engagement in computer science and technology among students. The ACM-W stall featured three engaging and interactive games that sparked curiosity and showcased the fun side of computing. The first game, the "Quiz," challenged participants with intriguing questions related to various aspects of computer science, testing their knowledge and fostering a spirit of healthy competition.

ACM- W successful hosted the Alumni Discussion Panel with panelists Shruthi Vinodh, Hiloni Mehta, and Avani, who have made their mark in the tech industry and beyond. With panelists working as Software Engineers at Google, SDE at ESRI, and a Yoga Therapist (content creator), this discussion included diverse insights and valuable expertise. The event took place on 10th May 2023 (Wednesday) at 8 pm GST.

BITS & BYTES Brain Teasers, a tech quiz conducted every Saturday on ACM-W Instagram handle from 05.08.2023 – 19.08.2023. The brain teasers included questions from diverse topics of technology like AI, Cybersecurity and Cryptocurrency. Participants had the chance to win a 50 AED Virgin Megastore gift card. The ACM-W Laser Maze Challenge, held on September 12th 2023, was a groundbreaking event that showcased the problem-solving prowess and technical acumen of our participants. Participants were tasked with solving riddles and navigating a laser maze within a limited timeframe. The Cryptarithmetic Challenge conducted on 9th October 2023, is a unique form of mathematical puzzle where letters or symbols represent digits. The goal is to decipher the correct digit assignments for each letter, ensuring that the given equation holds true. This event served as a platform for participants to showcase their mathematical prowess and logical thinking.

The ACM-W Front End Development Workshop Series conducted on 13th October 2023, offering students an immersive coding journey to master the intricacies of front end development. This comprehensive series, spanning four sessions, is designed to supercharge web development skills, equipping participants with the tools they need to excel in this dynamic field. The sessions will be dedicated to HTML, CSS, Bootstrap, and JavaScript - cornerstones of modern web development.

ACM BPDC held its first event of the academic year on the 6th of September 2023. The much-awaited Mousless Challenge was free for all students to attend and aimed to give everyone a glimpse into all the exciting events planned for the semester.

On 14th September ACM BPDC organized one of its most popular events till date - Crack the Vault. The event took place from 11AM-3:30 PM and saw an amazing response from over 130 participants and was a very engaging and memorable experience for all. On 20th October, ACM BPDC visited Gems Modern Academy for the first ACM Teach Program of the year. The ACM Teach Program aims to impart computer science knowledge to school students to spark their curiosity in the fascinating world of technology.

**American Institute of Chemical Engineers (AiChE)**

On the 15th of February 2023, AiChE organized visit to the Star Cement Factory in Ras Al-Khaimah. The tour began with an introductory presentation on the factory workings, the success of star cements, and the manufacturing process of various materials required to make cement and concrete. This was followed by the plantation drive conducted, acknowledging the CO2 levels emitted by cement factories and adhering to their pledge of becoming carbon neutral by 2050.

ATOMIC RUPTURE event held between 13-15th March 2023 is a flagship event in which is a treasure hunt-based event where students have to solve chemical/chemistry related hints to diffuse the bomb in time. AiChE also participated in the STEM and Technofest events.

**Association of Electronic Engineers (AOEE)**

On February 23rd, 2023, the AOEE of the EEE department organized a MULTISIM WORKSHOP under the supervision of Dr. Vilas H Gaidhane. In the workshop, the students became familiar with the SPICE simulation software and its different tools for designing, simulating, and analysing different electronic circuit designs. Following the success of the 1st week's Multisim session, the department scheduled another workshop on MULTISIM on March 2nd, 2023. The event was held during the 7th and 8th hours of the regular class schedule. On 28th March 2023, IEEE organized a Career Guidance session with Dr. Nilesh Goel, for students of all years of EEE and ECE.The session was facilitated by AOEE team. More than 40 students got benefited with the wide range of career options presented by Dr. Nilesh Goel. Importance of IEEE for an Electrical Engineer and various career opportunities/services offered by IEEE were also presented. M.B. Srinivas, University wide dean for Research and Dr.Gomathi Bhavani from the Career services division talked about how to get into higher studies and how BPDC can help students in getting their dream jobs respectively.

AOEE conducted the following games to engage school students who visited BPDC on April 15 2023.(1)Electric Trivia Burst (2) Arduino Burnout (3)Circuit Crafter and (4) Illumi Gate. All these games are fun based electronic theory-based games. School Students who participated in the game enjoyed and learnt about concepts of electronics.

**Chimera**

The Department of Biotechnology at BITS Pilani, Dubai Campus hosted an Alumni Talk that featured Debashish Chitnis, Class of 2019, on 4 October 2023. The session was a collaboration between Chimera, the Biotech Association and the Alumni Relations Division. The speaker of the day, Debashish Chitnis is currently a Senior Research Associate at 10X Genomics, Stockholm. The talk highlighted Debashish’s fascinating journey from BPDC to his higher studies in Sweden. It served as a must-attend for 3rd and 4th Year Biotechnology Students, as the talk provided meticulous details regarding career prospects Post-Graduation.

On Tuesday, October 10th, 2023, at 2:00 PM, the students of BITS Pilani Dubai were treated to an insightful and engaging session with esteemed alumnus Chirag Ghag. Chirag Ghag, who completed his undergraduate studies at BITS Pilani Dubai and later pursued a master's degree in Medical Biotechnology at the University of Windsor, Ontario, generously shared his remarkable journey and valuable insights with the eager audience.

The "Battle of Batches" event held on 16th of October 2023 was a spectacular success, marking a watershed point in the warm welcoming of our incoming freshmen into the Chimera community. Thanks to the enthusiastic participation of our esteemed seniors and keen juniors, the event went off without a hitch.

**Google Developer Student Club (GDSC)**

GDSC kicked off the year with an exhilarating scavenger hunt called "Campus Quest" on 5th September 2023, which saw the exceptional participation of over 50 teams. Students embarked on a journey of technical challenges, solving queries that guided them to the next location, all in pursuit of QR codes. GDSC and the Linux Users Group joined forces to organize a Linux workshop on 22nd September 2023, with Prakash Aryan, the Vice President of the Linux Users Group, taking the lead. The workshop encompassed an introductory overview of the Linux operating system, guiding attendees through the process of Linux installation on their devices. Additionally, a concise introduction to Linux commands was provided to enhance participants' familiarity with the system.

On September 26, 2023, GDSC (Google Developer Student Club) organized an interactive workshop focused on the practical applications of Streamlit. Our co-lead, Rahul Sumbly, spearheaded the event, offering students a practical and immersive learning experience through real-time activities. Participants gained exclusive access to Google Colab notebooks, enabling them to run Streamlit code and develop practical skills for app creation. On 6th October 2023, GDSC hosted a highly successful online event known as the "Google Hacking Competition," aimed at uniting online security enthusiasts. The event's accessible online format facilitated substantial participation, welcoming over 100 individuals, spanning from beginners to experts, creating a diverse and engaging atmosphere. The GDSC Postman API Workshop, held on 22nd Nov 2023, aimed to provide a comprehensive understanding of APIs, their role in making applications collaborate, and hands-on experience in creating workflows.

The GDSC Prompt Engineering Competition held on 4th December 2023 was an online event that brought together coding enthusiasts from various disciplines. The competition aimed to test participants' ability to transform ChatGPT prompts into functional code, challenging their creativity and problem-solving skills. The GDSC Bio Breach Competition, held on 19th Dec 2023, marked an exhilarating fusion of biology and coding, bringing together students from diverse disciplines for a unique challenge. Over 40+ participants engaged in this one-of-its-kind challenge.

**IFOR**

Team IFOR conducted their first workshop on 26th Sept 2023, focusing on the fundamentals of computer vision and robotics utilizing OpenCV and Python. During this workshop, students received a comprehensive introduction to key concepts in the realm of computer vision, including image manipulation, color segmentation, Canny edge detection, contour identification, and even video manipulation. On October 9, 2023, Team IFOR held their second workshop in LAB 332 during the 8th and 9th hours. We were privileged to host Dr. Abhilasha Singh as our guest lecturer. She holds a Ph.D. in Robotics and Computer Vision, which she earned from BITS Pilani Dubai Campus.

**Institute of Engineers (IEI)**

The 'IEI BPDC Student Chapter' celebrated Engineer's Day on 15th Sept 2023 by hosting an interdisciplinary quiz event. The event showcased the creativity of discipline heads who designed impressive decorations in a short time. Using the online quizzing platform "quizzes," the event attracted over 120 participants in just a few hours, demonstrating the enthusiasm of fellow students. On 14th Oct 2023, event hosted by ‘Institution of Engineers India’ (I.E.I). Guest for this online podcast session was Mr. Apurve Dave, a Software Engineer working in Apple. He holds a B.Tech & M.Tech in Electrical Engineering from IIT BHU. He shared his journey from being an electrical engineering student to a software engineer at Apple. He gave industry insights, and tips to aspiring engineers.

On 18th October, the Institution of Engineers India (IEI), hosted a one-day workshop on "Introduction to Python Programming." The workshop was organized in the computer lab from 12 to 2 pm. The session was led by Diya Sharma (Computer Science Co-head). We aimed at providing participants with a foundational understanding of Python and its application in the world of engineering and technology.

**Institute of Electricals and Electronic Engineers (IEEE)**

Hands-on workshop on Raspberry Pi based surveillance camera system was organised by EEE department on April 15,, 2023. More than 80 students participated, all the students were found to be highly motivated and excited. In this workshop students interface the camera with Raspberry Pi. They learn how to capture and save images and videos taken from the camera. Dr. Nilesh Goel was the instructor for the workshop. Several requests to organize a day-long workshop came up. IEEE student section of BITS Pilani Dubai Campus organized an invited talk by Prof. T. Kishore Kumar. Professor, NIT Warangal, INDIA on April 28,2023 from 9.15A.M to 10.15A.M. He talked about the " Application of Artificial intelligence & Machine Learning in Translational Medicine".