

**UNIVERSITY OF ENGINEERING AND TECHNOLOGY,
TAXILA**



CABINET 22-23 REPORT

ASME UET TAXILA CHAPTER



ASME UET Taxila Chapter



ASME UETTAXILA



ASME UET Taxila Chapter

Introduction:

American Society of Mechanical Engineers is a non-profit professional association that “promotes the art, science, and practice of multidisciplinary engineering and allied sciences around the globe”. **ASME** was founded in 1880. It offers a wide variety of engineering books, journals, and conference proceedings. The latest developments in a broad range of engineering topics, including Bioengineering, Manufacturing, Energy, Robotics, and more. ASME has over **110,000** members in more than **150 countries** worldwide.

ASME is one of the eldest, proficient, and leading technical societies of UET Taxila, grooming and polishing technical abilities of the undergraduate students. The journey of ASME in UET Taxila started in **2006**, since then ASME is arranging different technical and non-technical events, seminars, and contests.



TECHNOFLIX –A Deep Insight of Industrial Revolution 4.0

ASME UET Taxila Chapter comes up with the great series of TECHNOFLIX to broaden mindset of young engineers with modern Industrial Revolution. Industrial Revolution 4.0 is the process of change from an agrarian and handicraft economy to one dominated by industry and machine manufacturing. The revolution can act as a catalyst for the development, re-engineering, and improvement of our governing technologies, fostering a foundation or social and economic development.

To give you deep insight about **Industrial Revolution 4.0**, we have our worthy speaker. **Salman Ismail** is an acclaimed personality from Qatar who achieved everything through hard work and dedication. He has published several **research papers** in addition to a book chapter in **Social Robotics**. Furthermore, working as a **CFD** engineer, he has made use of **3D Printers** to produce models for **Flow Simulations**.

This module was covered from 10 - 18 August 2022.



TECHNOFLIX
10-18 AUGUST 2022
((LIVE))

1 INTRODUCTION TO INDUSTRIAL REVOLUTION 4.0

2 PREDICTIVE MAINTENANCE

3 3D PRINTING

4 SMART SENSOR APPLICATIONS

5 REGENERATIVE DESIGN

6 ENGINEERING SIMULATIONS

6 EPISODES

E-CERTIFICATES FOR THOSE WHO WILL ATTEND ALL EPISODES

f ASME UET Taxila Chapter | i ASME UETTAXILA | in ASME UET Taxila Student Chapter

Executive's Recruitment'22

Executives are the important and main part of the execution of various tasks and duties. So, it was the tenacious task to find out those students who were well suited for the seat. These are very important because hardworking and creative students were chosen who proved to be effective and efficient members of society.

Any organization can perform well when their members are hard worker, skillful, talented and committed to that society. So, all the factors must be kept in our mind by making the entire team. The interviews went very well, and the selection was totally on merit.

The interviews for executives were held from **28 - 30th August 2022** in **MED**.



Orientation Session'22

ASME UET Taxila Chapter in collaboration with IMechE UET Taxila Student Chapter and ASHRAE UET Taxila Student Branch setup **Orientation Session'22**. It was a warm greeting for the freshly admitted undergraduate students in which an insight of **Mechanical Engineering** was given along with the brief introduction to leading societies of the department.

This session was held on 7th October 2022.



Machine Learning Workshop:

ASME UET Taxila Chapter upholds its pedigree by presenting with such a wonderful opportunity to explore machine learning. It is a branch of computer science and **Artificial Intelligence (AI)** that focuses on the use of data and algorithms to imitate how people learn while gradually increasing the accuracy of the algorithm.

Mr. Muhammad Anas Raza was the workshop's noteworthy speaker. He is presently working on a **Doctorate Degree** at **Oakland University Michigan, USA**. He served as a former **AI Engineer** and is also a **MED UET Taxila Alumnus**.

This event was held on **15th October 2022**.



ASME UET TAXILA CHAPTER
IS GOING TO ORGANIZE
MACHINE LEARNING
WORKSHOP

ABOUT SPEAKER

MUHAMMAD ANAS RAZA IS PHD CANDIDATE IN OAKLAND UNIVERSITY USA. HE IS FORMER AI ENGINEER AT SENSE DIGITAL AND AN ALUMNUS OF MECHANICAL ENGINEERING DEPARTMENT UET TAXILA

Muhammad Anas Raza

DATE
OCT 15, 2022

VENUE
MS TEAMS

TIME
8 PM (PST)

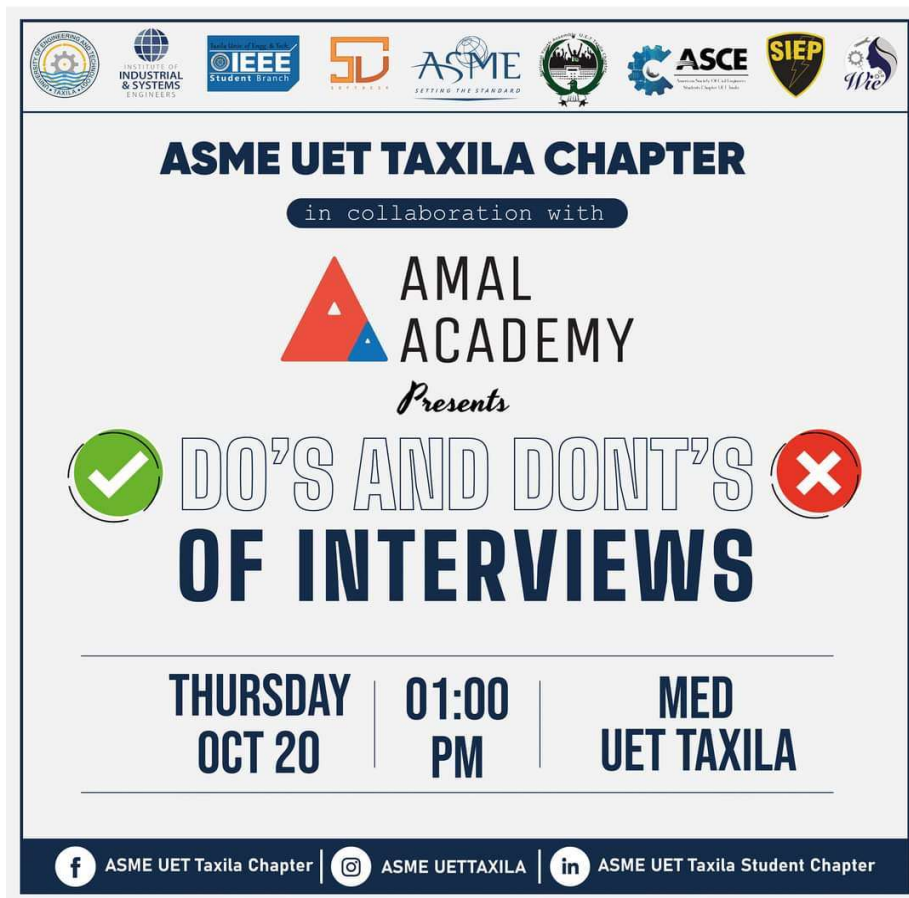
ASME UET Taxila Chapter | ASME UETTAXILA | ASME UET Taxila Student Chapter

Do's and Don'ts of Interviews:

To answer these kind of questions **ASME UET Taxila Chapter** in association with **ASCE, NYA, IEEE, SIEP, Softdesk** and **IISE** joined hands with **Amal Academy** to bring up an overwhelming event **Do's and Don'ts of Interviews**.

Amal Academy is a **Stanford University-funded startup**. They expressly provide students with a technical learning and linkages to the industry, assisting them to identify their aspirations. **The Amal Team** instructed the proper conduct and rights and wrongs of professional interviews.

This event was held on **20th October 2022**



ASME UET TAXILA CHAPTER
in collaboration with
AMAL ACADEMY
Presents
DO'S AND DONT'S OF INTERVIEWS
THURSDAY OCT 20 | 01:00 PM | MED UET TAXILA
ASME UET Taxila Chapter | ASME UETTAXILA | ASME UET Taxila Student Chapter

Finite Element Analysis:

ASME UET Taxila Chapter was on board with the most informative workshop on **Finite Element Analysis**. It altered the engineers to acquainted with modern engineering software's.

To deliver the deep insight of **FEA**, we had our meritorious speaker **Dr. Waqar Ahmad Qureshi**. He is currently serving as an **Assistant Professor** in **MED, UET Taxila**. He is the renowned personality and has a firm grip on different designing software's.

This event was held on 24th October 2022



The poster is for a "FINITE ELEMENT ANALYSIS ONE DAY WORKSHOP". It features a central portrait of Dr. Waqar Ahmed Qureshi. The text includes the ASME logo, the title "FINITE ELEMENT ANALYSIS", and "ONE DAY WORKSHOP". A prerequisite box states "LAPTOP WITH ABACUS (6.14) 2019 VERSION". A sign on the right says "SEATS ARE LIMITED". Below the portrait, it identifies "DR. WAQAR AHMED QURESHI" as an assistant professor in MED UET Taxila, specializing in Thermo-Fluids and Automatic Control, and a successful freelancer in FEA. The event details are: DATE: 24 OCT 2022; VENUE: MODELLING AND SIMULATION LAB, MED; TIME: 08:30 - 11:00 AM. Social media links for ASME UET Taxila Chapter, ASME UETTAXILA, and ASME UET Taxila Student Chapter are at the bottom.

FINITE ELEMENT ANALYSIS

ONE DAY WORKSHOP

PREREQUISITE
LAPTOP WITH ABACUS (6.14) 2019 VERSION

SEATS ARE LIMITED

DR. WAQAR AHMED QURESHI
Dr. Waqar is an assistant professor in MED UET Taxila, done his specialization in Thermo-Fluids and Automatic Control and also he is a successful freelancer in FEA.

DATE
24 OCT
2022

VENUE
MODELLING AND
SIMULATION LAB, MED

TIME
08:30 - 11:00
AM

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ASME Huddle:

ASME UET Taxila Chapter successfully organized **ASME HUDDLE** for newly enlisted executives. The sole purpose of this event was to arrange an interactive session and to break the ice between the newly recruited executives and the **ASME** family. In addition to that an insight of the hierarchy of **ASME**, future plans, events and upcoming projects were discussed.

This event took place on **25th October 2022**.



Project Arcade:

ASME UET Taxila Chapter announced its most awaited **Project Arcade**. Under this dome, all the members of ASME explored their technical abilities and take the initiative of crucial projects. The projects are completed under the supervision of the whole ASME team. Many volunteers join us as individuals come together to make the dream work.

This module was held from 14th November 2022 – 17th March 2023.



The graphic is a dark blue/black poster with a grid of hexagonal icons. At the top, it features the ASME logo and the UET Taxila logo. The main text reads 'ASME UET TAXILA CHAPTER is introducing PROJECT ARCADE'. Below this, six hexagonal icons represent different projects: Solar Power Car, Voice Controlled Robot, Line Following Car, Remote Controlled Car, Arduino Home Automation, and Obstacle Avoiding Car. At the bottom, there are social media icons for Facebook, Instagram, and LinkedIn, each followed by the respective chapter name.

ASME UET TAXILA CHAPTER
is introducing
PROJECT ARCADE

- SOLAR POWER CAR
- VOICE CONTROLLED ROBOT
- LINE FOLLOWING CAR
- REMOTE CONTROLLED CAR
- ARDUINO HOME AUTOMATION
- OBSTACLE AVOIDING CAR

f ASME UET Taxila Chapter | i ASME UETTAXILA | in ASME UET Taxila Student Chapter

GIKI Design Build Fabricate Challenge (DBFC)

GIKI hosted a competition **Design Build Fabricate Challenge (DBFC)** for RC Planes. Team from ASME participated in that competition. Indeed, it was an investment of time, energy and collective efforts of our hardworking team. We look forward to their success.

ASME UET Taxila Chapter is proud to provide you all the very best **Team Lockheed Mizzile**. This event took place on **26th November 2022**.



Hands on Arduino Workshop:

Arduino is a grasping software for Engineers. It is an open-source electronics and coding platform. It allows everyone to program all kinds of devices and build the gadget of their imagination. **ASME UET Taxila Chapter** was providing this tremendous opportunity to engineers to become familiar with modern era of technology by organizing **2 days Arduino Workshop**.

Mr. Muneeb ul Hassan is the instructor of this session. He is an undergraduate student of **Industrial Engineering** at **UET Taxila**. He has a firm grip on programming, automation, sensors and microcontrollers. He has done various semester projects of automation like **multi-motor control system** and **relays sensors**.

This workshop was held on **30th NOV – 1st DEC 2022**.



The poster is for a "HANDS-ON-ARDUINO WORKSHOP". It features the ASME logo at the top center and the UET Taxila logo at the top left and right. The title "HANDS-ON-ARDUINO" is in large white letters, with "WORKSHOP" in a blue box with a gear icon below it. A circular photo of the speaker, Muneeb ul Hassan, is in the center. Below the photo, it says "Speaker: MUNEEB UL HASSAN". A text box describes him as a student of BS Industrial Engineering at UET Taxila, currently serving as AVC Technical Section at ASME UET Taxila Chapter. He has good knowledge of IoT and Robotics, and is proficient in C++ and Python. His projects include multi-motor control systems and relay sensors. At the bottom, it lists prerequisites (Arduino software), date (30th Nov-1st Dec), platform (MS Teams), and time (07:30 PM - 8:30 PM). It also states that e-certificates will be awarded. Social media links for ASME UET Taxila Chapter, ASME UET Taxila, and ASME UET Taxila Student Chapter are provided at the very bottom.

HANDS-ON-ARDUINO
WORKSHOP

Speaker: MUNEEB UL HASSAN

Mr. Muneeb Ul Hassan is a student of BS Industrial Engineering at UET Taxila. He is currently serving as AVC Technical Section at ASME UET Taxila Chapter. Muneeb has good knowledge of the Internet of Things (IoT) and Robotics. He has a firm grip on programming languages like C++ and Python. His majors lie in Industrial Automation, Sensors, and Microcontrollers. Muneeb has done some projects related to automation like advanced multi-motor control system and relays sensors as well.

PREREQUISITE !
ARDUINO SOFTWARE

E-CERTIFICATES
WILL BE AWARDED

DATE
30TH NOV-1ST DEC

PLATFORM
MS TEAMS

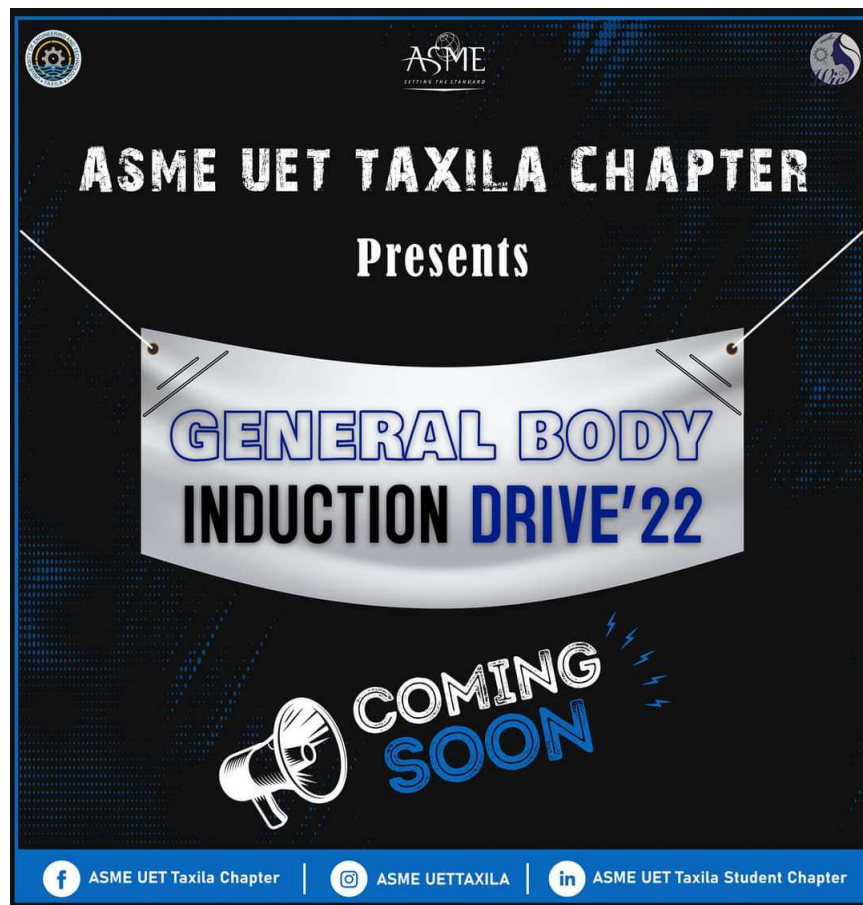
TIME
07:30 PM - 8:30 PM

ASME UET Taxila Chapter | ASME UETTAXILA | ASME UET Taxila Student Chapter

General Body Induction '22:

ASME is the prestigious society that promotes the art, science and practice of multidisciplinary engineering around the globe. ASME UET Taxila Chapter was enchanted to bring one of its most hair-raising events **General Body Induction Drive '22**.

This event took place on **6th December 2022**.



Community Services Week:

ASME UET Taxila Chapter opened the curtains as they host their flagship event **Community Services Week (CSW)**. The sole goal of **CSW** was to promote **STEM** and contribute to the mapping of our youth's ideas through participation in various technical and social activities.

This event took place from **19th - 23rd December 2022**.



Day 01



Day 02



Day 03



Day 04



Day 05



Competition in Collaboration (ASME-EFx):

ASME UET Peshawar hosted this event *ASME-EFx* from **11th - 12th March 2023** in collaboration with **ASME International** and **ASME All Pakistan Chapters**. It consisted of the following modules:

- 1- Elevator Pitch Competition
- 2- Oral Competition
- 3- Technical Poster Painting

There was so much to be gained from this event. Participants had an incredible chance to speak at a public gathering that helped strengthen their confidence and reduce their fear of being judged. In addition, they got the chance to showcase their ideas by creating design posters and much more.

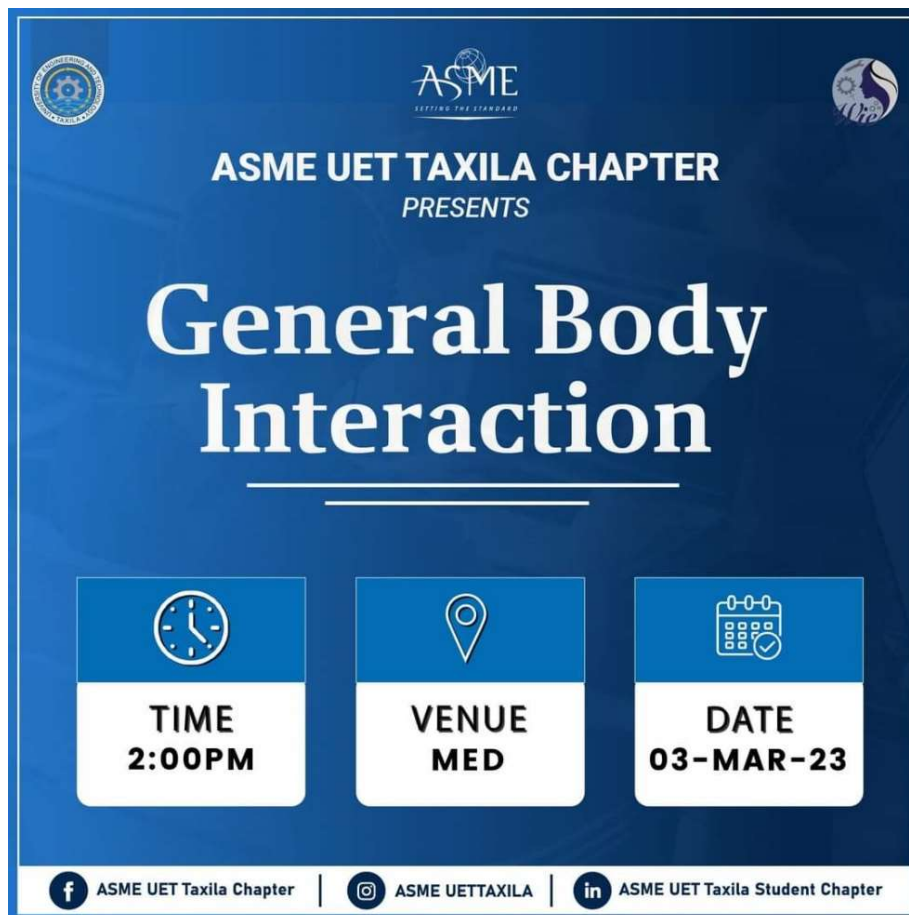


General Body Interaction:

ASME UET Taxila Chapter was envisaged to hold a **General Body Meetup** for the **2k22 session**.

The key aim of this event was to extend a warm welcome to the newly recruited members and provided them with a broad overview of the perks that they stand to gain. This platform helped them enhance self-assurance, management abilities, effective future planning, and honed technical skills.

This event took place on **3rd March 2023**.



The poster features a dark blue background with white text and icons. At the top, it includes the ASME logo and the UET Taxila Chapter logo. The main title is 'General Body Interaction' in a large, bold, white font. Below the title, three white boxes with blue icons provide event details: 'TIME 2:00PM' (clock icon), 'VENUE MED' (location pin icon), and 'DATE 03-MAR-23' (calendar icon). At the bottom, there are social media links for Facebook, Instagram, and LinkedIn, each with its respective icon and the chapter name.




ASME UET TAXILA CHAPTER
PRESENTS

General Body Interaction

TIME
2:00PM

VENUE
MED

DATE
03-MAR-23

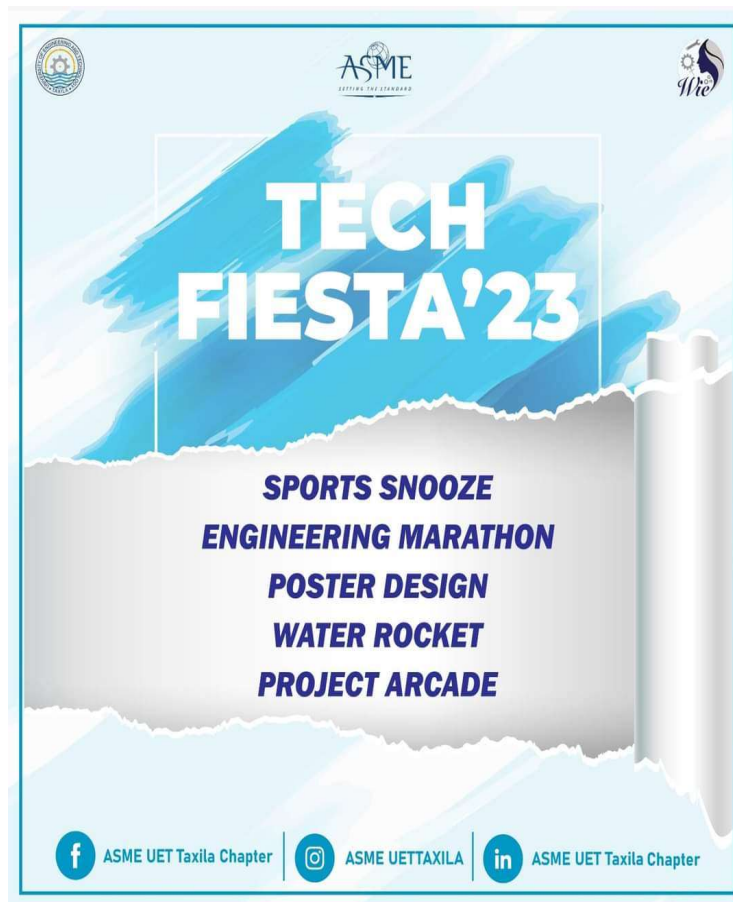
 ASME UET Taxila Chapter |  ASME UETTAXILA |  ASME UET Taxila Student Chapter

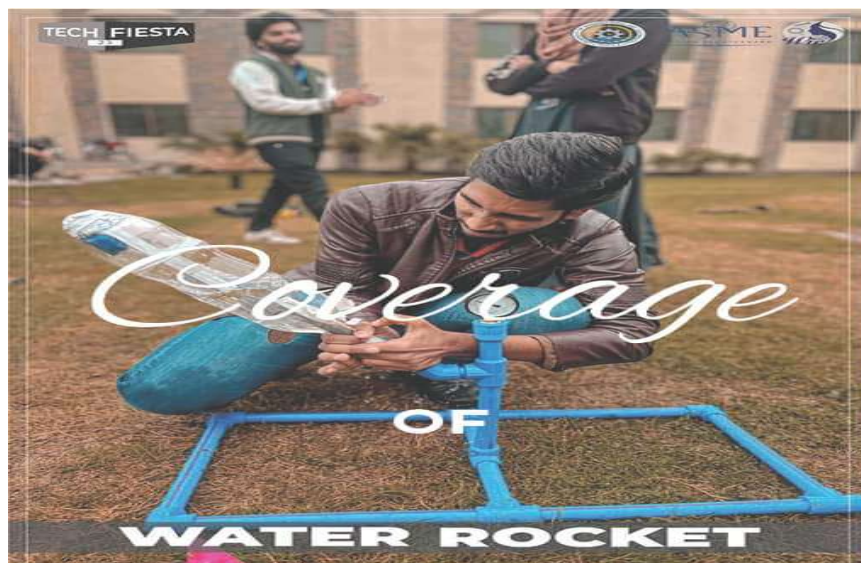
TECHFiesta'23:

ASME UET Taxila Chapter was pleased to announce this eagerly awaited event, **TechFiesta'23**. This event featured five modules: **Sports Snooze, Engineering Marathon, Poster Design, Water Rocket, Project Arcade**.

The main objective of this event was to revive the interest of students who may have become fatigued with academic studies and promote their ingeniousness through delectable activities.

This event took place from **13th – 17th March 2023**.

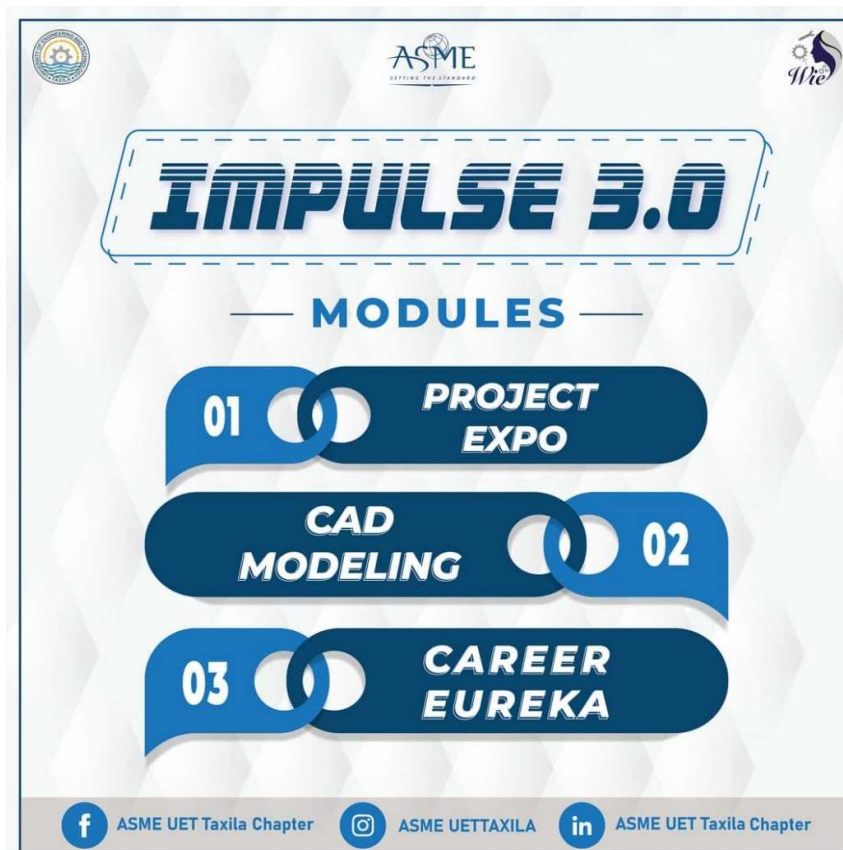




IMPULSE 3.0:

ASME UET Taxila Chapter is back with its monumental event **IMPULSE 3.0**. ASME was empowering the youngsters to exhibit their skills in the technical domains. It also encouraged the young minds to tackle the real-world problems. As technology is a tool that can enable people to do great things. It captivates the art of engineering in various colors.

This event took place from **24th- 26th May 2023**.



Conclusion

We deliberately give people company that influence the society to think and act on building the lifestyle of desired engineers. Congratulations to the whole ASME family for their dedication, establishing the benchmark and benefitting society with great ideas and aspirations. The way all members performed their responsibilities was wonderful. We hope to work with the same enthusiasm in the future.