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17.4.1 Does your university as a body have a commitment to meaningful education around the SDGs across the university?

How MUNs nurture students to become future leaders

<https://blog.upes.ac.in/how-muns-nurture-students-to-become-future-leaders/>

PREETI ANEJA · AUGUST 25, 2020



Model United Nations (MUNs) provide a platform for students to polish their presentation, documentation and oratorical skills, besides cultivating deep insights on matters of global governance

The UPES MUN Club founded in 2012 hosts International Model United Nations Conference every year. The UPES International MUN is one of the most prestigious diplomatic events in the entire North Indian MUN circuit. The UPES MUN Club also organises MUN workshops to spread awareness amongst students. The club has organised several intra and inter Dehradun MUN conferences for students of various college and schools. Every year 300-400 delegates from institutes like NLU Odisha, St. Josephs School, GGSDS College, GD Goenka, Utkal University and from countries like Sudan, Nepal, Mexico and France, etc., participate in the UPES Annual MUN Conference.

This year, too, they had plans to host International MUN Conference in April, but due to the pandemic, it has been put on hold.

According to Kumar Utkarsh, President, UPES MUN Club,

“Model United Nations is an academic simulation of the United Nations where students play the role of delegates from different countries and attempt to solve real-world issues with the policies and perspectives of their assigned country. Participants get a Study Guide before the conference starts, which briefly outlines both topics and gives a tentative idea of the subject matter. Based on the study guide and the research done, the participants have to write a position paper before the actual conference begins, outlining the point of view of each country previously assigned to the participant.”

MUN provides a platform for students to learn and understand the policies and frameworks at a deeper level as opposed to superficial knowledge of the subject. It allows the participants to engage in discussions pertaining to international events and sensitizes them towards the various economic, social and military problems faced by countries, eventually paving the way for peaceful coexistence and prosperity. Students, apart from gaining valuable insights on inter-relatedness of things happening in the world, also learn what it takes to be a diplomat and a leader.

Utkarsh recounts his first experience of attending a workshop conducted by the UPES MUN Club in 2016. “The sheer quality of intellect, rigour and purpose, I discovered there, ignited me to work more towards spreading awareness about MUN. I participated in the Intra-Dehradun and the International MUN organised by the club that year. I joined the organising team and continuously stepping up the ladder, today, I lead the team as its President. Being here has helped me to gain a bigger perspective. I also believe that the confidence and people skills I gained here helped me to secure a placement at Nestle in my first attempt,” he says.



The sheer quality of intellect, rigour and purpose, I discovered there, ignited me to work more towards spreading awareness about MUN

The club is committed to upholding the highest standards in terms of compliance, content and student experience. UPES MUN Club has always served the intellectual interests of students and has operated on a no-profit model while allowing all enthusiasts across the globe to participate.

MUNs provide a pedestal to students for upskilling and networking, essential for law and management professionals. MUNs are one of the most diverse events when it comes to utility and soft

skills necessary to carve out an advantage in niche fields. Model UN teaches you to remove your personal emotions and look at problems rationally and objectively.

MUNs provide a pedestal to students for upskilling and networking

The exposure enhances the employability factor of students, as they feel much more confident in putting forward their ideas and working with new people.

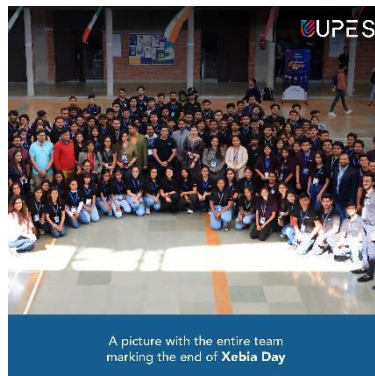
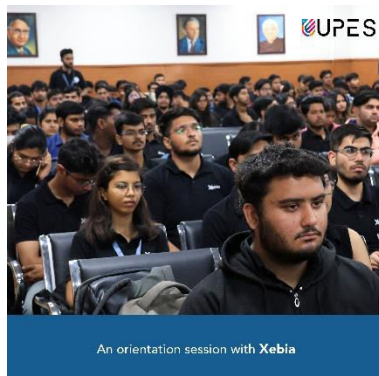
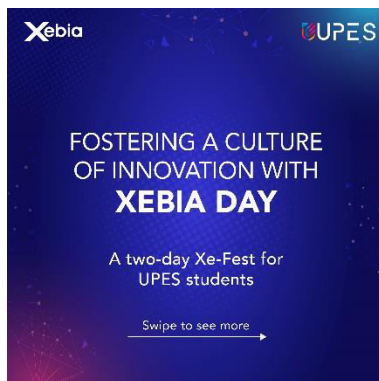
“Model United Nations conference is a wonderful forum for students to understand global issues. Students study the intricacies of the issues, the history, and the resolutions thereof. It helps students gain leadership skills, debating prowess, knowledge of law, international relations, diplomacy, research, report writing, consensus-building, conflict resolution and cooperation. Insights into global issues and problems motivates youngsters to think about solutions,” explains Dr Vinita Singh, Associate Professor, UPES School of Law, and Convener, UPES MUN Club.

UPES and Xebia offering co-branded programs - DevOps and Big Data

<https://twitter.com/UPESDehradun/status/1635633416497446912>

UPES students showcased their programming prowess through multiple challenges in XeFest, held over two days. This event was held in honour of UPES and Xebia offering co-branded programs - DevOps and Big Data.

Swipe to see the highlights of the event.



Team UPES creates economical and energy-efficient e-vehicle

<https://blog.upes.ac.in/team-upes-creates-one-of-its-kind-e-vehicle/>

PRADEEP JAGWAN · NOVEMBER 11, 2020



The electric vehicle, U-BAHN, has been developed in nine days on the campus with a cost of Rs.2 lakh. It can travel at a speed of 25 kms per hour and will be embedded with an IoT-based system to help the driver know about the pickup and drop location

Automotive analysts had predicted that 2020 is going to be the year of electric vehicles. This came in the backdrop of a renewed awareness to cut down carbon dioxide emissions across the world. UPES students, too, contributed towards this global effort to protect the future of the planet.

The university's Mechanical Engineering students Manas Jaiswal, Abhinav Dhaka, Annirudha Das, Dharnidar, Archit Saroha, Chetan Saini, Nishant Verma, Nitish Raj, Prashant Kumar, Priya Singh, Pankaj Kumar, Mayank Dahiya, Prabudh Sanket, Prakhar Khandelwal and Aditya Katariya recently designed and manufactured an E-vehicle to be used on the college premises.

The complete prototype of the electric vehicle called U-BAHN was made in the college workshop under the guidance and support of faculty and lab in-charge. The e-vehicle will be embedded with an Internet of Things (IoT)-based system, which will help the driver to know about the pickup and drop location. The user can call for a service using an application. The power train of the e-vehicle has an 85AH battery, which is capable to propel the vehicle from a standstill position and take the vehicle to a speed of 25 kilometres per hour. It is also assisted by a brushless DC motor which is of 48 V. The exterior bodywork will be designed using High Impact Polystyrene Sheet (HIPS) and the roof of the vehicle will use polycarbonate material.

This vehicle is capable to mobilize a quartet within the campus. MacPherson Strut type suspension is used in front of the vehicle whereas in the rear leaf springs are used to support the passenger's weight. Also, a trunk is provided at the back of the vehicle to carry the passenger's luggage. The vehicle looks elegant and has a compact steering assembly that provides smooth movements of the tyres while taking turns.



The e-vehicle will be embedded with an Internet of Things (IoT)-based system, which will help the driver to know about the pickup and drop location

Generally, golf carts cost around Rs.7 lakh, but E-BAHN was made with a comparatively meagre fund of Rs.2 lakh without compromising on the quality, making it economical, simple, reliable, and competent.

Swapnil Sureshchandra Bhurat, from the School of Engineering, says “Coming up with U-BAHN within a short period was a team effort. Mechanical Engineering department came up with the idea of developing an e-cart with minimum cost and power rating motor. The vehicle was developed on the campus within nine days. Golf carts generally have six kilowatts power rating motor, whereas the one in U-BAHN has 1.2 kilowatts. There is a gear reduction system incorporated in the vehicle to provide a torque. In the future, we will install a solar panel roof, which will help charge the battery, which will further increase the run time without battery loss. I thank the Dean, School of Engineering, Dr. Kamal Bansal, and Head of Department, Mechanical Engineering, Dr. Ajay Kumar for their kind support. Everyone involved in the project burnt the midnight oil and gave a proper shape and added to the aesthetics of the cart.”

Mr. Siddharth, faculty, School of Design says, “The main concept behind this design was to make it simple, airy, open and easy to step-in and step-out. In terms of modularity, we added LED lights in front and at the back with a transparent sunroof. Soon, we are also thinking about making the design more feasible to be used by the locals. In the process, we worked with different materials such as HIPS, plywood, and roof polycarbonate sheet. We came across some challenges such as pipe bending and stitching leather, which eventually became a learning lesson. In the end, I would like to thank Dean, School of Design, Ms. Manisha Mohan who was open to this idea from the very beginning.”

Another faculty, Mr. Ram Kunwer (Assistant Professor-SG), Mechanical Engineering Department from the School of Engineering, took the responsibility of vehicle fabrication. Technicians Ranjit and Sushil worked day and night on the product.

“This futuristic and technologically advanced e-vehicle will be both environment and user friendly. With a high market potential, there are all possibilities of scalability,” says, Dr. Githa Hegde, Dean, School of Business.

Kishore, faculty, School of Design, says, “I was fortunate to have worked on the styling part of the Campus Utility Vehicle (CUV). Working on the design, especially bending circular steel pipes and HIPS sheets to desired angles and radii was exciting. Working on this project helped me enhance my knowledge in materials and prototyping, the two important areas of Transportation Design.”

Seminar on “Recent Innovations in Science and Engineering for Sustainability (RISES)”

<https://research.upes.ac.in/2022/05/10/seminar-on-recent-innovations-in-science-and-engineering-for-sustainability-rises/>

Type of Event: Seminar on Learning with Leaders (Hybrid mode)

Date Time : 29-11-2021 & 30-11-2021, 03: 00 pm to 4:30 pm, 9:30 am to 10:30 am

Venue :Day 1: Vivekananda Auditorium & Day 2: Laboratory Visit

The introductory note was given by Dr. D.K. Avasthi

- Discussed about the lateral thinking and creativity for all the learners which will be approaching in different sectors.
- He discussed about the theory of retaining good and discard remaining by adding a story on graphite
- He explained about the miniaturization by hydrogel. He discussed about the micrometer lens array by dewetting method.
- Usage of array of mirrors can be used to make miniatures. Array of lenses can form multiple images which is called photolithography.
- He discussed about the future of engineers which will be based upon machine learning and artificial intelligence. He explained the challenges which will bring the rise of intelligent machine which will be based upon the cyber- physical and biological components. He discussed about the circle of discovery, invention and innovation.

- He visited CIC lab, Bosch Lab, Energy Lab, Waste to Pencil Lab, Aerospace Lab and reviewed the ongoing DST funded projects in the respective labs.
- He appreciated the work and the facilities developed in the labs and the exposure given to the students and research scholars.

UPES' PGCAP Program



<https://twitter.com/UPESDehradun/status/1651428454695305217>

A great teacher is someone who can entertain & educate while inspiring students to grow. #UPES' PGCAP program helps you become an effective educator & creating unforgettable classroom experiences by adopting new pedagogies, microteaching, & other techniques. #UniversityOfTomorrow



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Interactive sessions to help educators stay ahead of the curve.




Empowering them with tools for memorable classroom experiences.




The **third batch of academicians** successfully completed the 11-month course.