



**ONE-DAY PROJECT
COMPETITION ON
SUSTAINABILITY
&
CLIMATE CHANGE**

About the University: BML Munjal University (BMU) is an initiative by founders of the Hero Group. The University offers UG and PG Programs in Engineering, Law, Management & Commerce and provides avenues for Research in all the schools. BMU's has created a unique teaching learning pedagogy based on 5 I Principles namely Information, Inquiry, Innovation, Implementation & Impact derived from our founding 3 I Values, of Inquiry, Innovation, and Impact, with a strong emphasis on multidisciplinary immersive experiential learning. Especially ensuring that over 40% is experiential learning, leading to a unique blend of knowledge and skill. Thus, creates a very conducive environment for nurturing the spirit of enquiry, creativity, problem-solving, innovation and entrepreneurship focused on Sustainable and Inclusive Development.

The School of Engineering & Technology (SoET) & Industry Engagement: SoET is the Flagship school of BMU, offering B.Tech programs in M.E., C.S.E., & E.CompE. SoET has established a strong Industry- Academia collaboration which includes the offering of over 15 labs and courses with Industries viz., Siemens, Shell, Hero, Microsoft & IBM. Further, the university works with over 100 companies to ensure experiential learning in collaboration with Industries thus ensuring that the students undergoing Engineering program would work for over 30 weeks in Industry before they finish their B.Tech. Program.

Advanced Research: We at BMU are committed to create Advanced Technology competence in areas of Automation, Robotics, Mechatronics, Automobiles, Electric Vehicles, Law, Manufacturing, Industry 4.0, Industrial IoT, Cloud computing, analytics, Mobility, Environment and sustainability, Clean-energy, energy efficiency, energy management, sensors, Instrumentation.

Center for Advanced Materials and Devices (CAMD), Center for Automation, Robotics and Mechatronics (CARM) Center for Sustainable Entrepreneurship and Mobility (CSEM), Center for Computational and Complexity Sciences (CCCS), Centre on Law, Regulation and Technology (CLRT) are functional to develop the required competence and conduct required research. These centers are geared not only to impart experiential learning to students, provide platform for research for students and faculty but also to enable consultancy activity relevant to industries working in these domains and around the university.

About The Competition: The whole world is moving towards sustainable development. Sustainability and climate change are two major thrust areas of research in academia and industry. The emissions of Green-House Gas (GHG) are increasing at an alarming rate since last two decades. The air and water pollution have emerged as major cause of several deadly diseases. The e-waste is emerging as a new threat to the mankind. The petroleum resources will come to an end in near future. The all countries of the world want to be self-sustainable in terms of food, technology, and other requirements. The focus has shifted for development of reliable Electric Vehicles (EVs). Battery technology needs new revolution. Solar, wind & nuclear energy have emerged as cleaner and sustainable energy sources. Keeping in view the mankind need, we have strategized to trigger the young brains to brainstorm on the need of the hour. We are therefore inviting the young and intellectual generation with practical mindsets to think on the development of solutions for sustainability and climate change. Some of the thrust areas includes, Energy, Carbon emissions, Water efficiency, Waste management, Sustainable building design, Environmental Pollution, Air Pollution, Water Pollution, Electric Vehicles, etc.

Chief Patron:

Mrs. Swati Munjal, President, BMU

Patron:

Dr. Shyam Menon, Vice-Chancellor, BMU

Convenor:

Dr. Anirban Chakraborti, Dean SOET

Co-convenor:

Department of Mechanical Engineering

No registration fee**Team size:** 2 to 6 members**PRIZES**

Winner

**Rs 50,000 &
75% scholarship**

Runners-Up

**Rs 30,000 &
50% scholarship**2nd Runners-Up**Rs 20,000 &
25% scholarship**Last date of registration: **10th January, 2022****Contacts:**Dr. Neeraj Sharma, Asst. Professor, SoET
neeraj.sharma@bmu.edu.in | (+919717885162)Dr. Amiya Kumar Dash, Asst. Professor, SoET
amiya.dash@bmu.edu.in | (+91-9439231211)Dr. Ranbir Singh, Asst. Professor, SoET
ranbir.singh@bmu.edu.in | (+91-9812312052
9813043366)**Competition Details****Two rounds of competition:****Round 1:** A presentation (power point/ flex/ drawing) on the proposed project by the school team. (Weightage: 40%)**Round 2:** Prototype demonstration by the team. (Weightage: 60%)**Flex size:** 841mm X 1189mm (maximum)**Drawing size:** 22 x 28 inch (maximum)**Engineering professors of BML Munjal University will be mentoring participants to develop prototypes****For any help write to us on competition2023@bmu.edu.in****EVENT SCHEDULE**

08:00 – 09:30 AM	Registration
09:30 – 10:00 AM	Inaugural Session
10:00 – 11:00 AM	Campus tour
11:00 – 1:00 PM	Round-1: Team presentation
01:00 – 02:00 PM	Lunch Break
02:00 – 02:30 PM	Preparation for demonstration of the projects
02:30 – 04:00 PM	Round-2: Project display/ demonstration
04:00 – 04:50 PM	Award Ceremony

Event Day**15
JAN
2023****Venue:****AUDITORIUM,
BMU CAMPUS**

Master class organised by BMU for students registering in the competition:

23th December, 2022**Venue & Location**BML Munjal University
67th KM Milestone, NH-8, Gurugram - 122413, Haryana, India**TO
REGISTER,
LOG ON TO****bit.ly/3H4mbkM**