QUARTERLY REPORT

Summer-2024

(July-September)

INTRODUCTION

Sustainable Development Initiative (SDI) at UMT was established following the United Nations Sustainability Development Goals (UN-SDGs). Acknowledging academia's pivotal role in community upliftment & the provision of essential skill sets & platform to support global goals, SDI is committed to providing UMT students with opportunities such as:

- Give back to the community
- Work for the betterment of society
- Be a better human being & responsible citizen

VISION

MISSION

Transform positive energies of students for volunteering and building socially responsible and empathetic future leaders who prioritize sustainability and drive meaningful changes for better future.

Build a collaborative network with various community development platforms for community development projects to cultivate them as reliable citizens for society.

SUSTAINABLE
DEVELOPMENT
INITIATIVE

Schools on Board with SDI (Summer-2024)

- **School of Engineering**

  Civil Engineering, Electrical Engineering

- **Hassan Murad School of Management**

  BBA, BSAF, BBIS
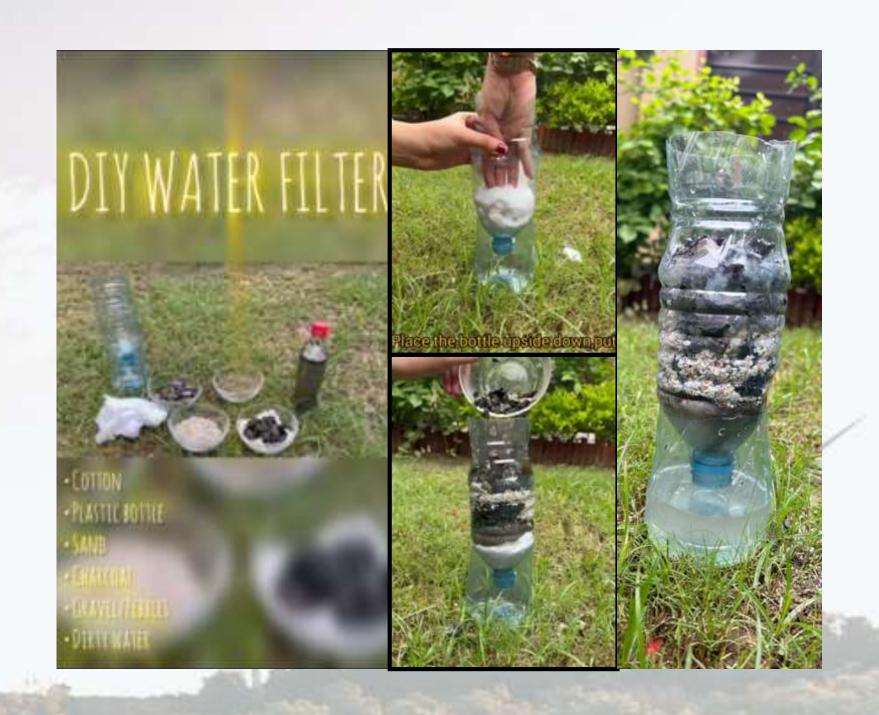
- **Institute of Aviation Management**

  BSAM

Students engaged in Summer-2024

A total of 217 students enrolled in the Corporate Social Responsibility course in summer 2024, engaging in graded activities designed to foster civic responsibility through active involvement in social and environmental issues. These activities not only enhance their understanding of CSR but also encourage sustainable practices, empowering students to become proactive leaders in creating a more equitable and environmentally conscious future. Here is the list of tasks that students performed:

- DIY Water Filter
- Seed Bomb
- Solar Oven

DIY Water Filter

Students created a DIY water filter using recycled materials, including plastic bottles, charcoal, sand, and gravel. This hands-on project effectively demonstrated how to improve water quality through a layered filtration system. By cutting a plastic bottle and incorporating gravel, sand, and activated charcoal, students produced cleaner, safer water. This activity raised awareness of water quality issues and highlighted individual responsibility in supporting SDG 6 (Clean Water & Sanitation), SDG 12 (Responsible Consumption & Production), and SDG 14 (Life Below Water).

Seed Bomb

Students created seed bombs as an eco-friendly initiative to promote planting and green spaces. By mixing seeds with clay, compost, and water to form small balls, which are dried and scattered in areas needing vegetation, the project fosters the growth of native plants. This hands-on activity highlights individual action in addressing climate change and enhancing biodiversity, supporting SDG 15 (Life on Land) by restoring habitats and contributing to SDG 13 (Climate Action) through carbon sequestration and environmental resilience.

Solar Oven

Students were assigned to design a solar oven that utilizes sunlight to cook food. This innovative project incorporates a reflective surface to concentrate sunlight and a heat-absorbing container to trap and retain heat. By promoting the use of renewable energy, this sustainable initiative aligns with SDG 7 (Affordable and Clean Energy) and contributes to SDG 13 (Climate Action) by reducing dependence on non-renewable energy sources.

HOME-MADE SOLAR OVEN

• MATERIALS NEEDED

With scissor, cut the clear plastic wrap into square pieces

Cover the foil layer in the box with black paper

BAKE THE COOKIES UNDER THE HOT SUN

MoU Signed during (Aug-Sept)

Green Step Foundation:

SDI has partnered with Green Step Foundation through an MoU signed on August 13, 2024, to promote ethical standards and sustainable practices in supply chains. Green Step Foundation focuses on environmental sustainability and social responsibility, and SDI will contribute volunteers to enhance workplace conditions, economic opportunities, and responsible consumption Together, we aim to foster a more sustainable and equitable future, aligning with SDG 8 (Decent Work and Economic Growth) and SDG 12 (Responsible Consumption and Production).

Pakistan Children's Heart Foundation:

SDI has partnered with Pakistan Children's Heart Foundation (PCHF) through an MoU signed on September 10, 2024, to promote ethical standards and sustainable practices in pediatric healthcare. PCHF focuses on providing critical cardiac care and support for children with heart conditions. SDI will contribute volunteers to assist in enhancing healthcare access and raising awareness about pediatric heart health. Together, we aim to foster a more sustainable and equitable future, aligning with SDG 3 (Good Health and Well-being) and SDG 8 (Decent Work and Economic Growth).

Rights of Special Persons (ROSP):

SDI has partnered with Rights of Special Persons (ROSP) through an MoU signed on September 13, 2024, to enhance advocacy and support for individuals with disabilities. ROSP is dedicated to promoting the rights, dignity, and inclusion of special persons in society. Through this collaboration, SDI will mobilize volunteers to assist in various initiatives aimed at improving access to education, healthcare, and social services. Together, we are committed to fostering an equitable future and aligning our efforts with SDG 4 (Quality Education) and SDG 10 (Reduced Inequalities).

Roshni Home Trust:

SDI has partnered with Roshni Home Trust through an MoU signed on September 16, 2024, to enhance support and advocacy for children in need, particularly those facing challenging circumstances. Roshni Home Trust is committed to providing a safe haven and quality care for vulnerable children, focusing on their education, rehabilitation, and empowerment. Through this collaboration, SDI will engage volunteers to support a range of initiatives focused on enhancing access to educational and social services. Together, we are dedicated to fostering an inclusive future and aligning our efforts with SDG 4 (Quality Education) and SDG 10 (Reduced Inequalities).

Akhuwat Foundation:

SDI has partnered with Akhuwat Foundation through an MoU signed on September 24, 2024, to promote social welfare and empower underprivileged communities. Akhuwat Foundation is dedicated to providing interest-free loans and support for sustainable livelihoods, aiming to alleviate poverty and enhance economic opportunities. Through this collaboration, SDI will engage volunteers to contribute to various initiatives that improve access to financial resources and community development programs. Together, we are committed to fostering an equitable future and aligning our efforts with SDG 1 (No Poverty) and SDG 8 (Decent Work and Economic Growth).

Defence Day Celebration with Jhuggi Taleemi Project:

This year, OPA-SDI celebrated Defence Day by hosting underprivileged children from the Jhugi Taleemi Project at UMT, fostering national unity and inspiring them to envision a future of contribution to Pakistan. The event included activities like face painting, a Q&A on Defence Day, and performances by the Symphony Club, along with gifts from the Girls Club. Speeches by the Head of OPA and the President of JTP underscored the importance of unity, concluding with a souvenir presentation. This initiative connected students from our community service program with those in need, reinforcing our values of service and support.

Visit to Fountain House:

Our visit to Fountain House we explored collaboration opportunities focused on the SDGs. We learned about their programs supporting mental health and social inclusion and discussed how our student volunteers could assist through workshops and community outreach. This partnership could enhance awareness and support for mental health issues while providing meaningful engagement for our students, reinforcing our commitment to inclusive development.

Visit to Rights of Special Persons:

Our visit to the Rights of Special Persons organization marked a significant step forward for our Sustainable Development Initiative. We explored potential collaborations for advancing the SDGs, particularly in areas like Quality Education and Reduced Inequalities. We discussed how our student volunteers could assist with workshops and awareness campaigns, and we plan to develop a proposal for joint projects that promote inclusivity and community well-being.

RIGHTS OF SPECIAL PERSO
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THANK YOU