BUITEMS

Quality & Excellence in Education





Engaging Universities for Achieving Sustainable Development Goals (SDGs)

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Agenda

- 1. Introduction to **SDGs**
- 2. Background: BUITEMS as **United Nation Academic Impact Hub (2018-2024)**
- Manifesto of SDG Goal 8
- 4. SDG 8 Contributions by BUITEMS (2020-2024)
- 5. SDG 17 Goals contribution by BUITEMS (2020-2024)
- 6. The Way Forward







Introduction to SDGs







SUSTAINABLE GOALS DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD





























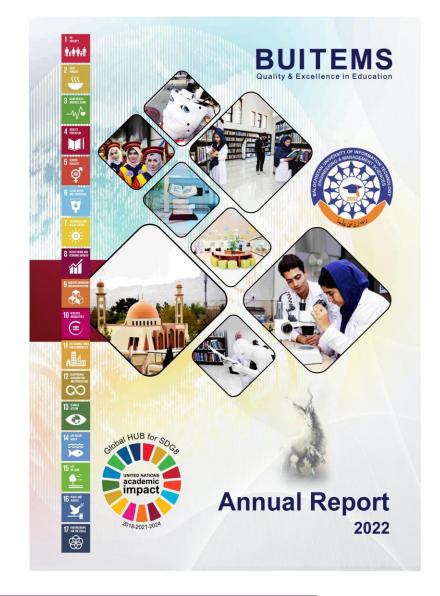
















Three Dimensions of **Sustainable Development**

 Sustainable development has been defined as development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

• For sustainable development to be achieved, it is crucial to harmonize three core elements: **economic** growth, **social** inclusion and **environmental** protection.











Another Way to Look at SDGs







BUITEMS as United Nation Academic impact hub (2018-2024)







Background-United Nation Academic Impact Hub (2018-2021)

- The United Nations Academic Impact (UNAI) is an initiative that aligns institutions of higher education with the United Nations in supporting and contributing to the realization of United Nations goals and mandates.
- In October 2018, the UN identified 17 universities around the world to serve as 'Academic Impact' Hubs for each of the 17 SDGs.
- The partnerships are managed through the UN Department of Public Information's (DPI) project on UN Academic Impact (UNAI).





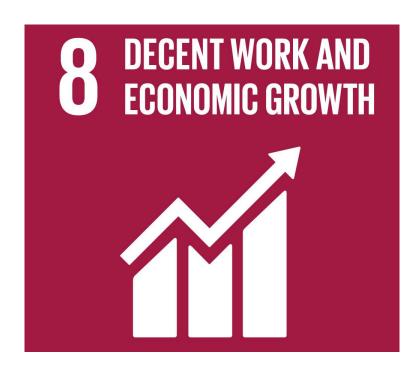
Manifesto of SDG Goal 8





Goal 8:

Promote inclusive and sustainable economic growth, employment and decent work for all



United Nations Academic Impact Hub for SDG 8





In recognition of the research, innovation and scholarship undertaken in support of this SDG, United Nations Academic Impact welcomes

Balochistan University of Information Technology, Engineering, and Management Sciences, Pakistan

as its hub for Sustainable Development Goal 8 for 2018-2021.



Chief, United Nations Academic Impact Department of Public Information

United Nation

























SDG 8 Contributions by BUITEMS (2020-24)



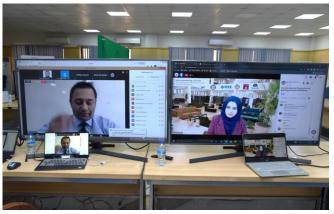




1st International Symposium on Building Economic Resilience against Pandemics 27th October 2020

- Live symposium of 6 hours
- 12 research papers were presented
- 3 keynote speakers Dr. Joachim Von Braun from Germany, Dr. Adil Najam from United States of America and Dr. Aqdas Afzal Pakistan.
- Live participation from academia, social sector and international organizations reached above 100 on Zoom platform.
- The event was live streamed on Facebook, where a number of people was reached. So far, 4,400 individuals have accessed the symposium video on Facebook;









One Day International Conference on Promoting SDG 8 to Advance Agri-Entrepreneurship for Balochistan Youth (2020)

About 200 participants, Keynotes, Notables from UN – Partnerships officer FAO, Head of FAO field, offices, Country, Director ILO, Project Management, Expert UNIDO participated











Online Discussions & Meetings of BUITEMS SDG team with the UNAI coordinator 2020





The Hult Prize Competition 2020

- BUITEMS hosted Hult Prize Competition on December 10, 2020.
- Our student was selected as the campus director for the Hult Prize at BUITEMS
- In partnership with the United Nations, the Hult Prize Foundation has created the world's largest student movement and crowd sourcing platform dedicated to solving the most pressing social challenges on the planet







Developing Youth Skills for the Future: A Vision from Pakistan 15th July 2021









World Youth Skills
Day, celebrated
on 15 July, is an
opportunity to
reflect on the
strategic
importance of
equipping young
people with skills
for employment,
decent work and
entrepreneurship.

BUITEMS
(Pakistan), United
Nations Academic
Impact (UNAI)
SDG Hub for Goal
8: Decent Work
and Economic
Growth, is a core
center of
innovation to
foster the targets
of this Goal.

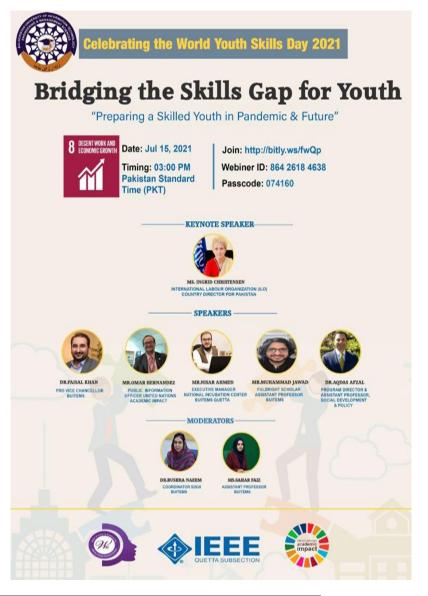
Targeting 8.6: Substantially reduce the proportion of youth not in employment, education or training. Experts from BUITEMS explore this issue from various angles and perspectives.



Link to the articles:

Developing Youth
Skills for the Future:

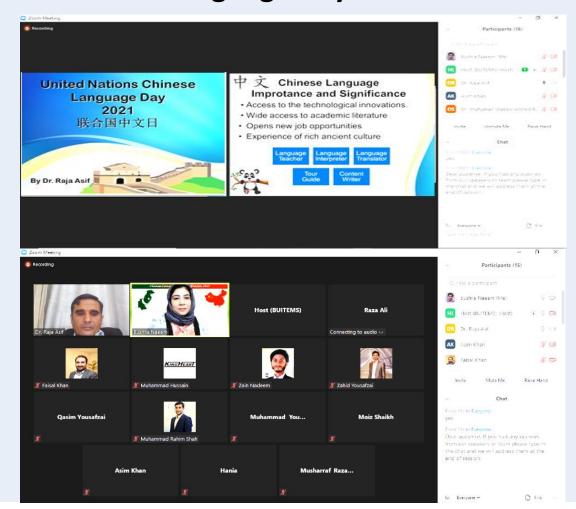
A Vision from
Pakistan | United
Nations







Celebrating UN Chinese Language Day 2021



World Science day (2021)



Women's day celebrations (2021)





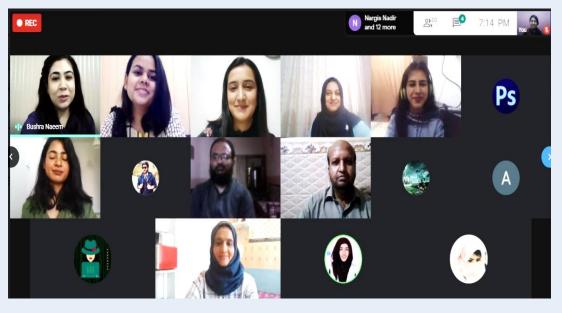




Mental Health day (2021)



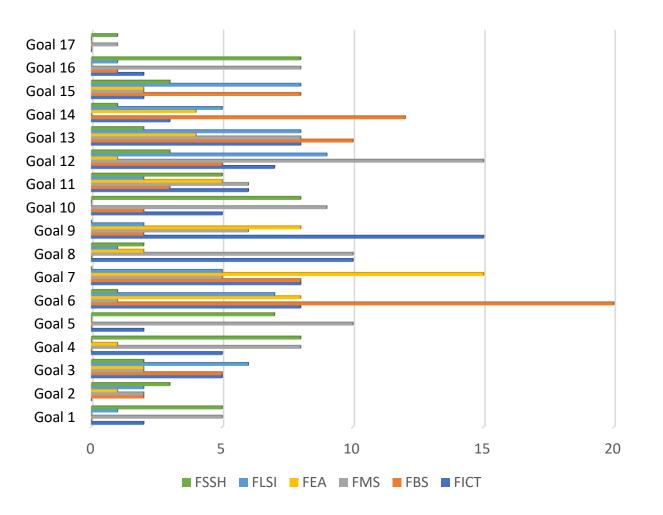
World Engineering day with Scholars and Researchers Abroad (2021)



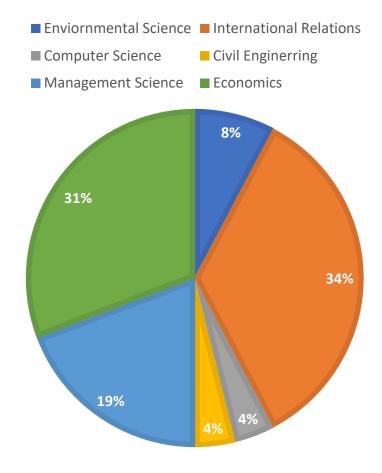




MS, PhD Theses & Undergrad Projects from all Faculties Aligned with SDG 17 Goals 2021-22



MS/PHD THESES ALIGNED SPECIFICALLY WITH SDG GOAL 8







Activities & Events (2022-23) Aligned with SDG 17 Goals

Activities & Events in the Department of Environmental Science	Year	SDG Goals
500 Tree plantation donated by Taraqee foundation in BUITEMS.	2022	Goal 11: Sustainable Cities and Communities and Goal 13: Climate Action
Environmental Day Events, 5th June 2023. Director General Balochistan EPA invited students of Environmental. Addressed issues as plastic pollution and some solutions to it. within the premises of EPA Balochistan.	2023	SDG Goal 11: Sustainable Cities and Communities, SDG Goal 12: Responsible Consumption and Production, SDG Goal 13: Climate Action and SDG Goal 6: Clean Water and Sanitation.
Karez System Revival in Balochistan, Pakistan Council of Research in Water Resources, (PCWR) organised event in BUITEMS.	2023	SDG Goal 11: Sustainable Cities and Communities, SDG Goal 12: Responsible Consumption and Production and SDG Goal 13: Climate Action.











Activities & Events in Departmental Scien	Year	SDG Goals
Students visited Environmer Protection Agency (EPA) Bal- In years 2022 and 2023.	2000	Goals 11: Sustainable Cities and Communities, SDG Goal 13: Climate Action SDG Goal 6: Clean Water and Sanitation.
National Water Conservation Relief. 5th July 2022. Water Role and Responsibilities in Management System, Lectur Chairperson.	Security Water	Goal 11: Sustainable Cities and Communities, SDG Goal 12: Responsible Consumption and Production, SDG Goal 13: Climate Action and SDG Goal 6: Clean Water and Sanitation.
GIS Solutions for Climate Ch Challenges and Sustainable Development. Organized by Decision Support system (SD	Spatial 2023	SDG 8: Decent Work and Economic Growth, SDG Goal 11: Sustainable Cities and Communities and SDG Goal 13: Climate Action.







Activities & Events in Department of Environmental Science	Year	SDG Goals
Capacity Building Events of Line Agencies, Staff on Newly Identified Issues on Integrated water resource management (IWRM). The aim of the event was to raise awareness, especially women about IWRM and strengthen the capacity building in water management.	2022	Goal 11: Sustainable Cities and Communities, SDG Goal 12: Responsible Consumption and Production, SDG Goal 13: Climate Action and SDG Goal 6: Clean Water and Sanitation.
Faculty members participation in Drip Irrigation Techniques, (Arid Zone Research Centre). During the visit cooperation between Arid Zone and the department Environmental Sciences agreed for future research.	2023	SDG Goal 8: Decent Work and Economic Growth, SDG Goal 11: Sustainable Cities and Communities, SDG Goal 12: Responsible Consumption and Production and Goals: SDG Goal 13: Climate Action.





Activities & Events in the Department of Environmental Science	Year	SDG Goals
Wildlife Conservation training HEC funded. This training program aimed to equip participants with the knowledge and skills necessary for effective wildlife conservation practices.	2023	SDG goal 15: Life on earth, SDG Goal 11: Sustainable Cities and Communities and SDG Goal 13: Climate Action.
A two-day Simulation Exercise on Summer Contingencies. A proactive initiative aimed at enhancing disaster preparedness and response capabilities, in collaboration with the National Disaster Management Authority (NDMA).	2024	8 Decent work and economic growth Goal 11: Sustainable Cities and Communities and SDG Goal 3 Good Health and Well-being, SDG Goal.
A training workshop titled "Survival Skills Development to Build Resilience for Natural Disasters" at BUITEMS Quetta.	2024	Goal 11: Sustainable Cities and Communities and SDG Goal 3 Good Health and Well-being, SDG Goal 8 Decent work and economic growth











Career Counseling Session held at Muslims Hands High School, Quetta 2022	Aligns with SDG 8, By equipping students with essential knowledge on overcoming educational barriers, accessing scholarships, and exploring online learning and freelancing opportunities
Afghan Refugee Student's Capacity Building - Crash Course I The ICRMS organized a crash course for refugees. A total of 1300 refugees and immigrants applied for the course	Aligns with SDG 8 by fostering economic growth and employment opportunities through skill development. This initiative supports the goal of promoting full employment, decent work, and economic inclusion for marginalized groups, particularly refugees, enabling them to contribute productively to the economy.





ICRMS organized a film screening of "Madyun," that highlighted the plight of Afghan refugee workers in the coal mine who encountered many hazards that made their lives very unpredictable.

2022

Panel discussion aligns with SDG 8 by raising awareness about the hazardous working conditions of Afghan refugee workers in coal mines, highlighting the need for safe, decent work for all.

Job Fair
BUITEMS Organized a one-day long
job fair. The aim was to inculcate
employability skills into the
graduating students.

2022

Aligns with SDG Goal 8 by promoting sustained economic growth and enhancing employment opportunities for graduating students. By focusing on employability skills, the event directly addresses the recruitment needs of employers while fostering long-term connections between academia and industry.





Series of Exposure Visits throughout the year and Career counseling at government Schools.

2023

(SDG Goal 8): With over 110 students participating, including 73 females, the session provided vital insights into higher education and career opportunities, addressing skills gaps essential for employability.

POLICY DIALOGUE ON "PROMOTING REFUGEE LEGAL PROTECTION AND ACCESS TO JUSTICE IN BALOCHISTAN: ADDRESSING BARRIERS AND STRENGTHENING LEGAL AID SERVICES"

2023

Aligns with Sustainable Development Goal 8 (SDG 8), particularly targets 8.6, which aims to "substantially reduce the proportion of youth not in employment, education or training."





Refugee and Host Students' Enrichment Workshop Series on Critical Thinking and Academic Success	2024	Aligns with Goal 8. The workshops aimed to empower both refugee and host students by enhancing critical thinking and academic success, providing tools to navigate career choices and higher education pathways.
Staff Training on Empowerment Series: Mastering Financial Skills for the Staff	2024	By enhancing the financial literacy and skills. This training focused on developing essential financial competencies, such as budgeting, bank reconciliation, and taxation, which are crucial for both personal and organizational financial management.

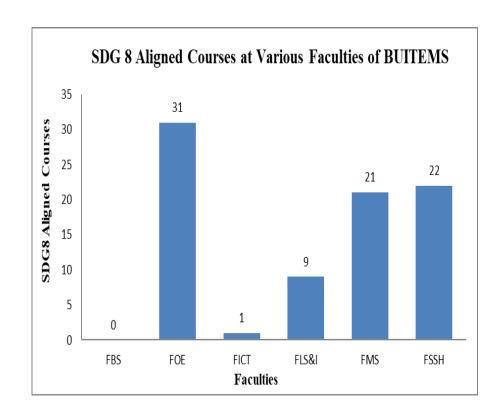




SDG Integration in Curriculum

- A course in Entrepreneurship is offered in all undergraduate degree programs (SDG-8).
- All undergraduate students will undertake a standard internship of 6-8 weeks before the degree award (SDG-8).
- The Climate Change & Risk Management course is offered in all undergraduate degree programs (SDG-13).

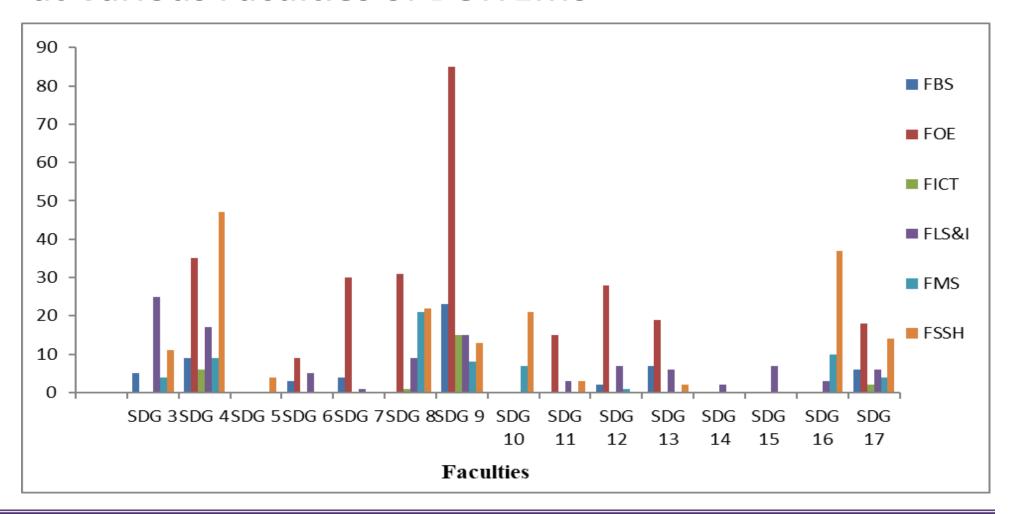
SDG 8 Aligned Courses in the Curriculum of Each Faculty of BUITEMS







A Sum of All SDG Goals at Various Faculties of BUITEMS









My Identity, My Business **Microenterprise Incubation Program**

Collaboration with UNHCR to support Afghan refugees and host youth.









Microentrepreneurs

Successfully

1310+ Jobs Created



Million Seed **Funding Awarded**















Youth Engagement In SDGs through a Collaborative Project Between NIC Quetta BUITEMS & UNDP Pakistan

The SDG Challenge Cup was held at NIC Quetta, BUITEMS where startups across Balochistan pitched their ideas demonstrating how their initiatives contribute to achieving the SDGs.







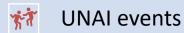
The Way Forward







The Way Forward By UNAI & HEC



- Making SDGs part of curriculum at undergrad and postgrad level
- ✓ Alignment of research with SDGs
- Introducing sustainability credits by encouraging students for community service
- Regional consortiums and collaborations among universities for knowledge sharing and localizing SDGs
- Community outreach for advocacy and community service
- Any other task or initiative





How Do We Do It?

- All undergraduate students will undertake a Capstone Project in the last semester focusing on any one of the 17 SDGs as per program requirements.
- Involving Faculties
- By bringing together representatives of higher education
- Governments& Industry
- Jointly instigate strategies, shape policies, design curricula and programmes to ensure the promotion of SDG 8.





Ongoing SDGs Activities at BUITEMS

- Medical Centre, health projects on genetic diseases, pathogens, biosafety, and mental health (SDG 3)
- Academic programs, publications, teaching and learning in strategic plan (SDG 4)
- Gender equality-based activities (SDG 5)
- On-campus filter plants, water mapping projects (SDG 6)
- BUITEMS Centre for Renewable Energy (BCRE) in partnership with BRSP and Patrik Germany (SDG 7)
- National Incubation Center (NIC) Quetta, Agri-entrepreneurship, Directorate of Human Resource Development (SDG 8)
- Research and consultancy (SDG 9)
- Reduced inequalities workshops (SDG 10)





Ongoing SDGs Activities at BUITEMS

- Solid waste management and recycling, (SDG 12)
- Mega tree plantation drive, climate change mitigation and adaptation activities, Wastewater treatment and reuse (SDG 13)
- Research projects on various living organisms (SDG 15)
- Governance and leadership workshops and activities (SDG 16)
- Collaborations with national and international donors, and partnerships with Planning Commission of Pakistan, Provincial Planning and Development Department, and the United Nations Academic Impact (UNAI) as a global hub for SDG 8 (SDG 17)





BUITEMS' SDG 8 Advancement Plan 2025

Quarter 1 (Jan-Mar)

Entrepreneurship Boot camp, Host Industry-Academia Partnership Forum, Launch Vocational Training Program in Renewable Energy, Career Counseling Workshops

Quarter 2 (Apr-Jun)

Establish SDG 8 Research Cell, Host International Conference on Entrepreneurship and Innovation, Launch Startup Accelerator Program, Entrepreneurship Awareness Campaign

Quarter 3 (Jul-Sep)

Job Fair 2025, Women Entrepreneurship Program Launch, Training of Trainers (ToT) for entrepreneurship educators, Establish SDG 8-focused Business Incubation Center, International webinar on SDG 8

Quarter 4 (Oct-Dec)

SDG 8 Progress Assessment Workshop, Launch Balochistan Entrepreneurship Fund, Mentorship Programs for startups, Impact Evaluation of SDG 8 initiatives





Resources



TRANSFORMING OUR WORLD:



- Transforming Our World: The 2030 Agenda for Sustainable Development
- Available in all UN official languages
- http://www.un.org



Thank You