



SUSTAINABILITY REPORT 2025

Prepared by
**Directorate of Sustainability/
Quality Enhancement Cell**



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VISION OF UOG

To contribute for the development of knowledge economy, human capital and vibrant communities through quality teaching and research innovations.

MISSION OF UOG

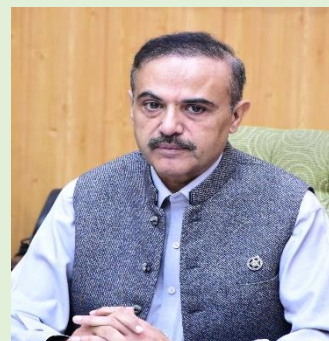
To produce competent human resource with an entrepreneurial outlook and understanding of indigenous and global challenges for building a vibrant society by providing conducive environment and state-of-the-art platforms.



VICE CHANCELLOR'S MESSAGE

It gives me great pleasure to present the Sustainability Report of the University of Gujrat (UOG), which highlights our ongoing commitment to fostering an environmentally responsible, socially inclusive, and economically sustainable campus community.

At UOG, sustainability is not merely a concept—it is a guiding principle that shapes our policies, research, education, and community engagement. Our university continues to align its strategic direction with the United Nations Sustainable Development Goals (SDGs), ensuring that every aspect of our academic and administrative operations contributes toward a more sustainable future.



Through the collective efforts of our faculty, students, and administrative staff, UOG has made remarkable progress in areas such as energy efficiency, waste management, water conservation, sustainable transportation, and digital governance. The Directorate of Quality Enhancement (QEC), which also functions as the Directorate of Sustainability, has played a central role in monitoring, evaluating, and promoting sustainable initiatives across the university.

I am proud of our university's growing recognition at the national and international levels for its sustainable practices and academic excellence. It's a great achievement that UOG ranked as 528th World's most Sustainable University in 2025 under UI Green Metric World University Rankings. In today's world, sustainability is not just a choice; it is an imperative need of the society and I believe our university will excel in forthcoming bulletins.

I want to thank every member of our university community, students, faculty, staff, and our partners, for their unwavering dedication to this important cause. As we look to the future, I challenge each of us to think about how we can contribute to our sustainability journey. Together, we can make a difference, not only within the walls of our institution but far beyond. Let this be a source of inspiration for all of us to strive for a more sustainable and equitable world.

Thank you everyone for your commitment to sustainability, and I look forward to the positive changes we will create together.

Sincerely,

Prof. Dr. Zahoor ul Haq (TI)

Vice Chancellor | University of Gujrat (UOG)



MESSAGE OF THE DIRECTOR

It is a matter of great pride to present the Annual Sustainability Report of the University of Gujrat (UOG), reflecting our continued commitment to integrating sustainable development principles across all academic and administrative domains. The University of Gujrat recognizes that higher education institutions play a crucial role in shaping a sustainable future through education, research, innovation, and community engagement. Guided by the United Nations Sustainable Development Goals (SDGs), UOG has made significant progress in implementing sustainable practices related to energy conservation, waste management, water efficiency, green infrastructure, and digital governance.



The Directorate of Sustainability, operating under the Directorate of Quality Enhancement (QEC), has been actively engaged in planning, implementing, monitoring, and evaluating sustainability related programs. We continue to work closely with departments and administrative units to ensure that sustainability is embedded in teaching, learning, research, and campus operations.

This report stands as a testament to the collaborative efforts of our faculty, students, and staff who contribute tirelessly toward creating a green, inclusive, and forward-looking university environment. Together, we are transforming UOG into a model of sustainable higher education in Pakistan.

This year's report not only highlights the milestones and achievements we have reached but also illustrates the path we are charting for our continued sustainability journey. It is a manifestation of the dedication and hard work of our students, faculty, staff, and administration, who have embraced sustainability as a core value. These achievements align with our mission to provide an outstanding education and contribute to the well-being of our society and the environment.

With gratitude and hope for a better future,

Ms. Farhat Kausar

Director Quality Enhancement Cell

Director Sustainability

University of Gujrat



SUSTAINABILITY OFFICE

The team is comprised of the Director Sustainability, Ms. Farhat Kausar, along with her team members Dr. Zaki ul Zaman Asam (Associate Professor of Environmental Sciences) and Ms Shagufta Mubarik (Data Analyst, Sustainability). The Sustainability Office team has been working on youth engagement, advocacy and partnerships to host educational events at the university and facilitate the participation of young climate activists on campus.



Ms. Farhat Kausar
Director Sustainability/QEC



Dr. Zaki ul Zaman Asam,
Associate Professor ES



Shagufta Mubarik
Data Analyst QEC



INTRODUCTION

The University of Gujrat was established through a charter by the government of Punjab in 2004. It is located about 15km from the city of Gujrat. It comprises Hafiz Hayat Campus and one sub campus in Mandi Bahauddin. For the nourishment of scholarly aptitude and skills, besides offering regular four-year degree programs, ranging from basic sciences to art, design and architecture, engineering to business studies, sociology to medical sciences and law to geosciences, it also offers two-year associate degree programs in various disciplines deploying community participation. The university focuses on academic subjects and research concurrently.

Since taking the charge of this esteemed institution, Prof. Dr. Zahoor ul Haq is showing great commitment both for the development of research and teaching environment in alignment with UN sustainable development goals by involving local stakeholders. A wide range of new undergraduate and graduate degree programs along with the implementation of e-learning and management systems have been initiated this year. The University of Gujrat has seven faculties and 33 academic departments. It offers approximately 150 programs at Associate Degrees, BS, Masters, Mphil and PhD levels. There are more than 211 PhDs among a total of about 647 faculty members. There are also students registered as private candidates to whom the UOG awards degrees after annual examinations. Strategically located, it is providing education not only to rural localities of Gujrat but also to the people of surrounding districts of Golden Tri angle encompassing Sialkot, Gujranwala and Gujrat. It has one of the largest fleet of student buses that ply on different routes of Gujranwala, Mandi Bahauddin, Sialkot, Jehlum, Kharian, Bhimber and Gujrat districts.



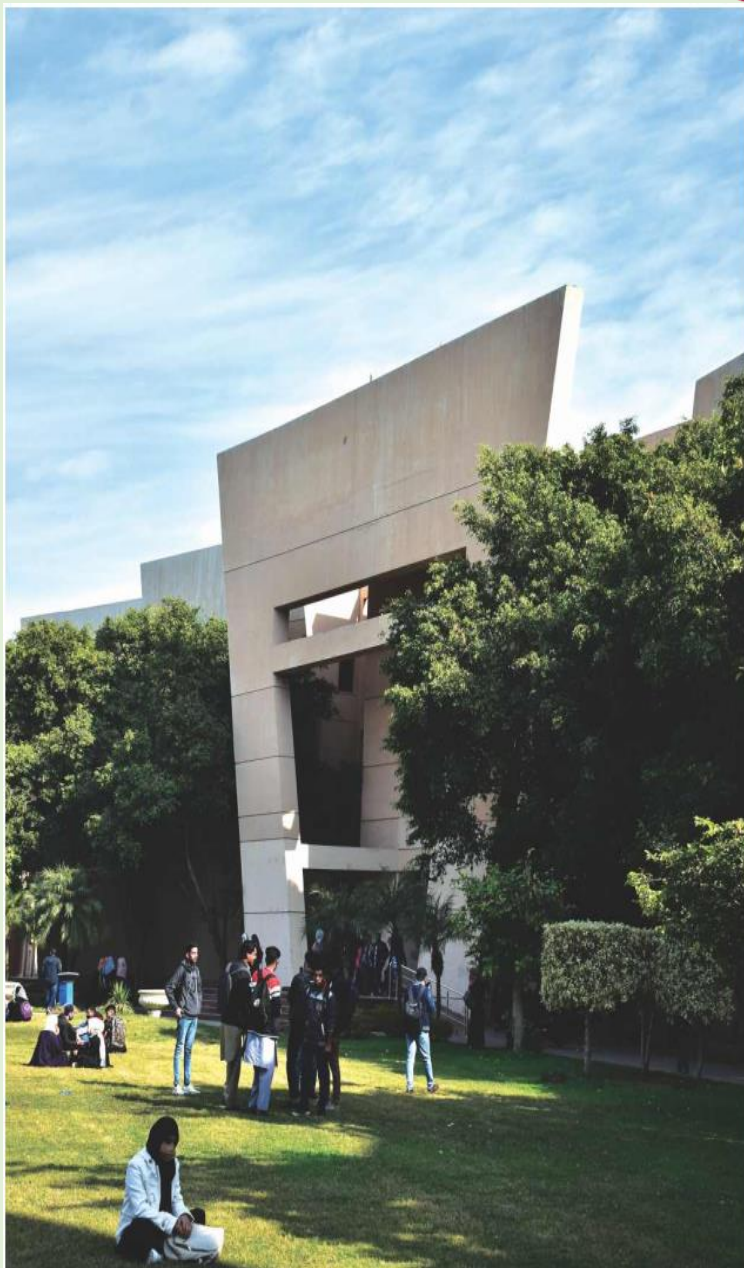


In the university of Gujrat, there are different courses related to SDGs like “Introduction to Environmental Sciences” course is part of multiple degree program for better understanding of the local and global environmental and sustainable issues. Besides that, there is Department of Environmental Sciences and Geography offering Bachelor’s, Master’s and doctoral degree programs, with the majority of courses focusing on environment, sustainability, and climate change education.

There are more than fifty clubs and societies that are providing unique platforms for the engagement in the “Sustainable Development Goals” (SDGs).

UOG Green Society and UoG Green Youth Club (GYC), Character Building Society etc. for the promotion of SDGs these societies and clubs organize different events, seminars and competitions both for students and local

community. As a firm commitment with the SDGs, UOG community round the year doing various steps like; incorporation of SDGs in the curriculum, addition of new topics for raising understanding of students for sustainable issues at national level.

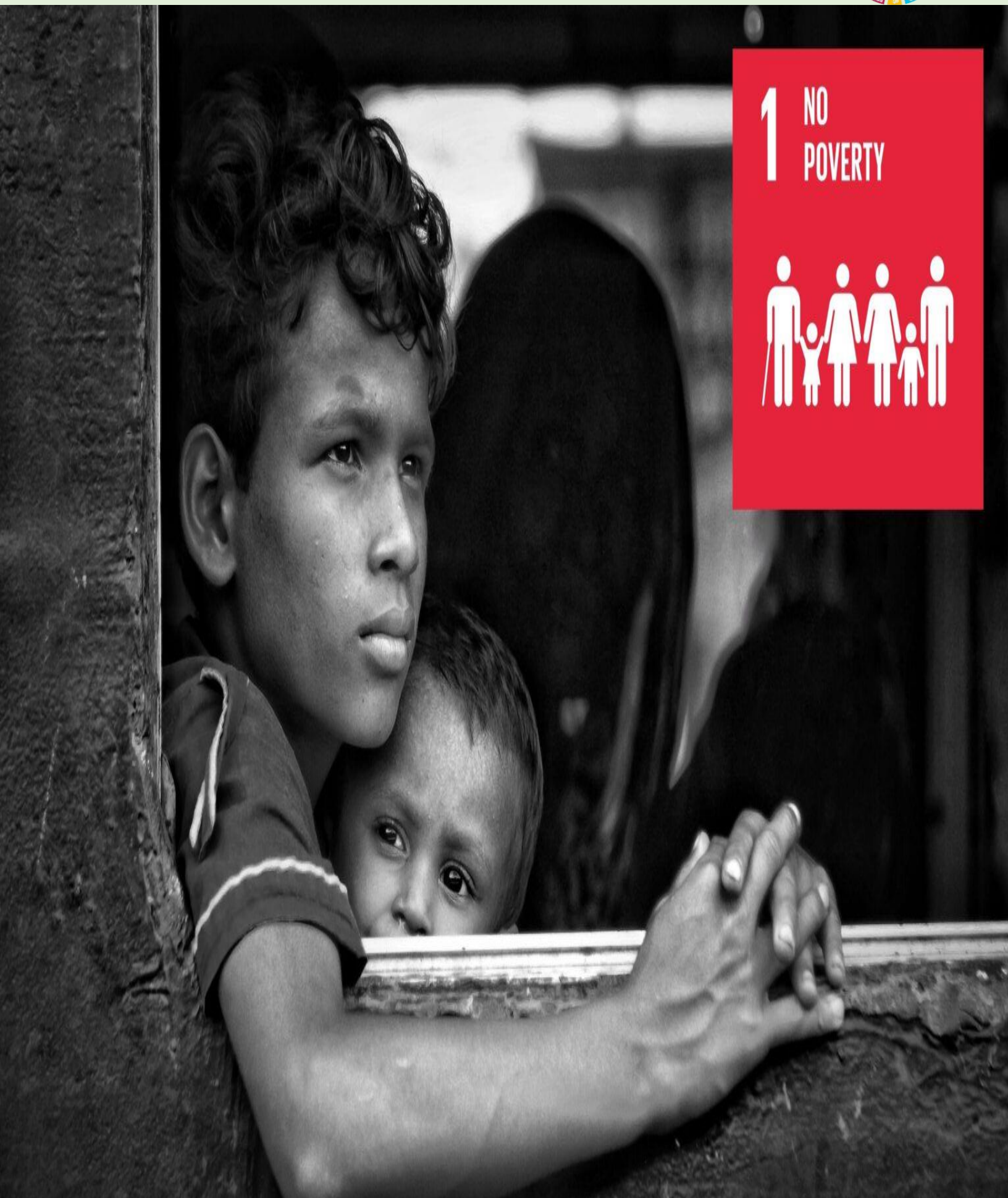




IMPLEMENTATION OF UNs SUSTAINABLE DEVELOPMENT GOALS (SDGS)



1 NO
POVERTY





SDG 1: NO POVERTY

As Pakistan is a developing country and its substantial population belongs to the middle-class families and are hardly able to meet their ends through their own sources. The University of Gujrat is playing her part on the agenda – Leaving No One Behind-by helping needy and deserving students financially. The UOG is contributing to help the needy people in the community by participating in national poverty reduction programs. The University of Gujrat has contributed tremendously to achieving this goal.

The Poverty Research Centre at University of Gujrat is established that aims to address the critical issues of poverty, inequality, and human development in developing countries, emphasizing Pakistan. The Syndicate has approved the PRC at the University of Gujrat as a dedicated research Centre.

<https://uog.edu.pk/en/research/poverty/>

The activities performed by UOG during the year towards No Poverty all around are as follows;

ANTI-POVERTY PROGRAMS OF THE UNIVERSITY

CM Maryam to visit UoG for laptops and merit scholarships distribution

GUJRAT
STAFF REPORT

Punjab Chief Minister Maryam Nawaz will visit the University of Gujrat to distribute laptops and merit scholarships among outstanding students from Gujranwala Division on Monday. Nearly 3,000 students will benefit from this initiative, including 846 laptop recipients and 268 scholarship awardees from the UoG alone. A preparatory meeting chaired by Vice Chancellor Prof. Dr. Zahoor ul Haq (Tamgha-e-Imtiaz) finalized arrangements for the ceremony, which will be attended by provincial ministers, legislators, vice chancellors, senior officials, faculty, and students. This event reflects the Punjab government's commitment to advancing higher education and empowering youth with modern tools and opportunities.

- ✚ CM laptop & Honhaar Scholarship program
- ✚ Admitted Students from low-income areas of country
- ✚ Fee Waive off for Flood Affectees
- ✚ Fee waive off for Baluchistan and AJK Students



- + Overall Admission Targets Achievement for low Income Students
- + Fee Waiver to UOG Employee
- + University Hostel / Accommodation Facility
- + Affordable Transport Facility
- + Student Counselling Session
- + E-Rozgar Center
- + Access to university facilities
- + Short Courses on Digital Marketing/e-learning (e-Rozgar Center)
- + Training and introductory session for Online earning /Freelancing
- + Various start-up programs in collaboration with Punjab Information Technology Board
Government of Punjab
- + Training Session on Career Exploration
- + Humanitarian Assistance for flood affectees students



2 ZERO
HUNGER

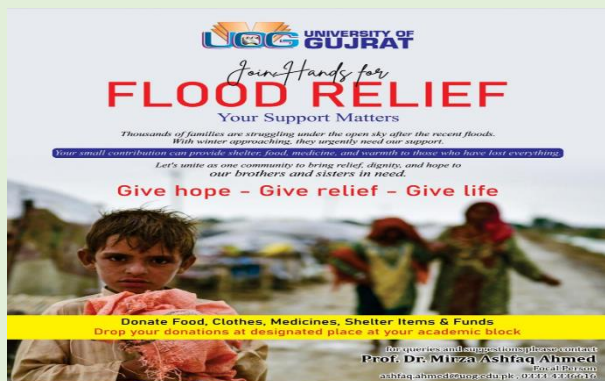




SDG 2: ZERO HUNGER

The ability to feed the world is a key element of sustainable development. If done right, agriculture, forestry and fisheries can provide nutritious food for all. At the same time, it can ensure rural development with people at the center of the process, supporting the incomes of those who rely on Agriculture. The activities performed by the UOG during the year towards the UNO SDG 02 to end the hunger, achieve food security and improved nutrition and promote sustainable agriculture is as follows;

- ✚ Relief activities for flood victims
- ✚ Hygienic Food Stall by IHRM in front of UOG Guest House on April 2025
- ✚ Students of UOG have completed their research projects to significantly contribute in this cause and eradicate hunger from the society.
- ✚ Dr. Zahoor ul Haq (VC) announced that special scholarships for students from flood-affected areas.
- ✚ The University of Gujrat (UoG) relief mission team returning from flood-hit areas of Punjab described the life of families in vast swaths of land devastated by floods as ‘horrific’.





3 GOOD HEALTH AND WELL-BEING





SDG 3: GOOD HEALTH AND WELLBEING

Good health & well-being is the third important sustainable development goal. It aims to promote wellbeing and a healthy lifestyle for all at all ages. This goal addresses all vital health priorities to ensure sustainable development. Ensuring healthy lives and promoting well-being at all ages is essential to sustainable development. There is an urgent need to fully eradicate a wide range of diseases and address many different persistent and emerging health issues. The University of Gujrat (UOG) deals with specific conditions and diseases, and support their community as follows;

- 1- A seminar at Hafiz Hayat Campus of the University of Gujrat on 15 May 2026, underscored that mental and spiritual wellbeing—the foundations of a healthy lifestyle—hinges on what we eat. Titled “Metacognitive Nutrition: New Paradigms and Future Directions,” the seminar was organized by Dr. Sammar Fatima of the Health Care



Center in collaboration with the Hayatian Society of Biochemistry & Biotechnology (HSBB). Distinguished speakers Dr. Sammar Fatima, Dr. Hammad Aslam, and Dr. Sameera discussed preventive healthcare, emotional resilience, and mindful lifestyle choices. Prof. Dr. Umer Rashid, Chairperson Department of Biochemistry & Biotechnology, attended as Guest of Honor, while Dr. Hammad Ismail, Coordinator HSBB, joined the panel discussion on integrated wellbeing and community awareness.

- 2- Sports Quota Trials at the University of Gujrat (UOG) for Fall-2025 admissions
- 3- Female students urged to promote healthy lifestyle
- 4- Jashan-e-Azadi & Marka-e-Haq Celebrations, Sports championship for Administrative Staff - 2025 organized by the Directorate of Sports.
- 5- Intervarsity Table Tennis (Men) Zone-F Championship 2024-25 organized by the Directorate of Sports, University of Gujrat





6- Formation of Blood Donation Society and Seminar: Donate Blood, Save Life



7- In commemoration of World Heart Day, the University of Gujrat (UoG) reaffirmed its commitment to public health by hosting an awareness event aimed at combating the growing threat of heart disease in Pakistan. Organized by the UoG Healthcare Centre, the event brought together medical



professionals, students and faculty to promote preventive care and healthy living.



8- Breast Cancer awareness seminar organized by department of Biochemistry & Biotechnology

9- Awareness Seminar on STEM Learning Session

10- Awareness walk on mental health

11- Seminar on General Women Health Awareness

جامعہ گجرات میں ”STEM فی کلٹی ٹریننگ“ سیمینار کا انعقاد

دور حاضر میں درپیش چیلنجوں کا کامیابی سے سامنا کرنے کی لیے طلبہ کو تیار کرنا ہی یونیورسٹی کا اصل کارنامہ ہے

گجرات (پ۔ر) جامعہ گجرات کے ORIC اور حیاتیاتین فزکس سوسائٹی کے زیر اہتمام تدریسی عمل کو دور حاضر کے تقاضوں (بشری نمبر 32)

صورتحال کے تناظر میں سب سے زیادہ ضرورت ہے اور نصاب کی تدریس کے ذریعہ ہی بچہ نوجوانوں کا سہارا بننا اور ان کے لیے سہولتیں فراہم کرنا ہے۔ دور حاضر میں درپیش چیلنجوں کا کامیابی سے سامنا کرنے کی لیے طلبہ کو تیار کرنا ہی یونیورسٹی کا اصل کارنامہ ہے۔ STEM کا تمام تر تصور اور طریق کار وہی کارکردگی اسی امر سے وابستہ ہے۔ تعلیم و تحقیق کا مقصد سماج و معاشرہ کو درپیش چیلنجوں کا حل تلاش کرتے ہوئے علم و دانش کی روشنی میں طلبہ کے لیے سہولتیں فراہم کرنا ہے۔ سیمینار کے اختتام پر سوسائٹی کے طلبہ کو تیار کرنا اور ان کے لیے سہولتیں فراہم کرنا ہے۔

تدریسی معاملات کو بہتر بنانا ہے۔ پڑھائی اور سائنسی مضامین کی ترقی کا باعث بن سکتی ہے۔ سائنس اور ٹیکنالوجی کا فروغ انسانیت کے لیے آسانیاں پیدا کرتا ہے۔ STEM سائنسی مطالعات اور تحقیقی نتائج کے امکانات کو وسیع کر سکتا ہے۔ سیمینار کے ریسورس پوسٹوں نے STEM انجیکشن مائٹرسٹری آکٹریڈیا ٹیچر موجودہ اعلیٰ انجیکشن میں AI کا کردار دیکھ کر موضوعات پر سیر حاصل کیے بغیر نہیں کرتے ہوئے بتایا کہ جدید انڈسٹری اور نئی ٹیکنالوجی کی ضروریات کے تناظر میں تدریسی عمل کے طریقہ کار میں تبدیلی لازم امر بن چکا ہے۔ انڈسٹری و ٹیکنالوجی کی موجودہ

پرسن میں ڈاکٹر خرم شہزادہ ڈاکٹر محمد سرین، ڈاکٹر سمیرا رفیق، ڈاکٹر کاشف جاوید اور ڈاکٹر فہیمہ اعظم شامل تھے جبکہ کوارڈینیٹر کا فریڈ شہب فزکس کے فیکلٹی ممبر ڈاکٹر عذر معراج نے سربراہیام دیا۔ اس موقع پر ڈاکٹر میٹر ORIC پروفیسر ڈاکٹر عادل رشید نے کہا کہ ایک کامیاب استاد علم و تحقیق کے تمام پہلوؤں کو مد نظر رکھتے ہوئے طلبہ کی ذاتی تربیت کرتا ہے۔ تمام سائنسی شعبہ جات باہمی معاونت و شراکت سے مختلف شعبوں میں بہترین ماہرین کو فروغ دے سکتے ہیں۔ جدت خیال اور اخلاقی سوچ

ضروریات سے تعلیمی کے لیے ایک سیمینار ”STEM فی کلٹی ٹریننگ“ کا انعقاد حافظہ حیات کیس میں ہوا۔ سیمینار میں مختلف شعبہ جات کے تقریباً 50 اساتذہ نے شرکت کرتے ہوئے استفادہ کیا۔ سیمینار کا بنیادی مقصد اساتذہ کو STEM کے تصور سے روشناس کر دینا ہے۔ تدریسی عمل کو بہتر بنانے کے لیے معاونت و مشاورت کے ذریعے شعبہ جاتی معاونت و مشاورت کے ذریعے مزید بہتری کی جانب راغب کرنا تھا کہ طلبہ کو تحقیق و تعلیم کے میدان میں کامیابی کی جانب گامزن کیا جاسکے۔ سیمینار کے ریسورس



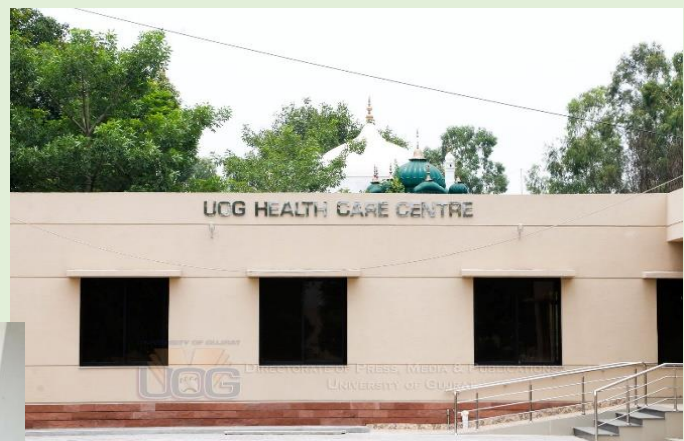
گجرات: جامعہ گجرات کے ORIC اور حیاتیاتین فزکس سوسائٹی کے زیر اہتمام منعقدہ سیمینار ”STEM فی کلٹی ٹریننگ“ کے مناظر۔

- 12- Awareness Seminar on SMOG: CAUSES, HEALTH EFFECTS AND MITIGATION.
- 13- Cricket match between administrative & academic staff of UOG.
- 14- An Awareness Seminar on ‘Drugs Abuse’
- 15- Annual Sports Gala 2025



UOG HEALTH CARE CENTRE

A Health Care Center was established in the university of Gujrat. The prime aim of establishing this facility was to provide primary care/treatment to

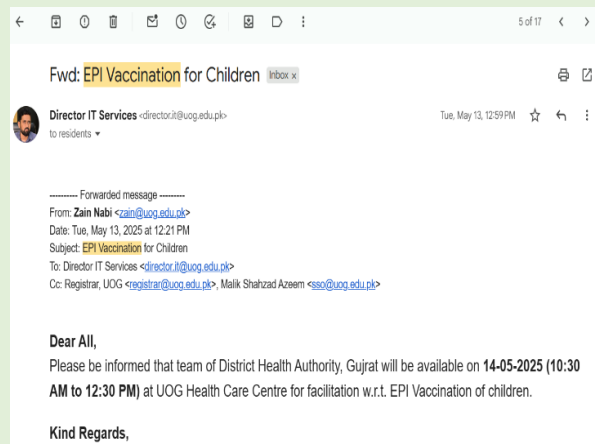


the students, faculty and staff of University of Gujrat. Health Care Center contains Reception, Medical Inspection Room, Diagnostic Lab and Detention/Treatment Room. Medical officer examines the patients in Medical Inspection Room and advises treatment accordingly.



Diagnostic Lab has the facility to carry out routine investigations helpful in diagnosis. Detention/Treatment room is used to detain and treat the patients as per advice of the Medical officer. The Health Care Center also provides medicines to the patients accordingly. Patients who need consultation/ treatment from concerned specialists are transferred through University Ambulance to ABS Teaching Hospital where they can get admission if required. In the last academic year, health care center added a laboratory and

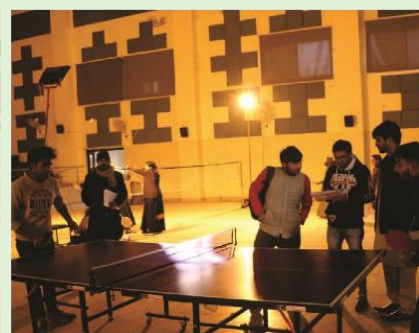
ambulance to facilitate the staff and students. District Health Authority, Gujrat visits monthly at UOG Health Care Centre for facilitation w.r.t. EPI Vaccination of children.



UOG FITNESS CENTER

Hundreds of scientific studies and researches across the world have conclusively proved that regular physical activity leads to a higher life expectancy and better quality of life by maintaining fitness. The great popularity of gyms, fitness centers and health clinics endorse is results from this realization that exercise is fundamental step for excellent physic.

UOG's management is highly concerned about the fitness of its faculty and students. It has established 04 fitness centers in UOG for faculty, students' male and female separately. These fitness centers are fully equipped with modern machinery and students as well as faculty and staff members of UOG use these centers regularly.



4 QUALITY EDUCATION





SDG 4: QUALITY EDUCATION

A high-quality education is an area where universities excel. Education is a key gateway out of inequalities, especially multi-generational ones. In addition to improving quality of life, access to inclusive education can help equip locals with the tools required to develop innovative solutions to the world's greatest problems. SDG 4 explores early years and lifelong learning. The University of Gujrat (UOG) supports early years, lifelong learning, and the nations through ensuring equality of access to their facilities. The Quality Enhancement Cell (QEC) of UOG established on January 3, 2008. The QEC's function is to promote quality culture in higher education by ascertaining quality standards and continuous enhancement of the quality parameters. The QEC has undertaken the responsibility of quality assurance and enhancement with a great commitment and devotion. The cell has secured its position in the W category in the HEC ranking since the inception of the quality cell.

QUALITY ASSURANCE PRACTICES

The QEC has established a vibrant and robust mechanism for implementing quality processes and procedures at the UOG. It has achieved the targets of implementation of quality assuring practices at the UOG. The university is being led by a dynamic leader with a great potential to foresee the impact of quality in education. His innovative approaches have earned applause from all quarters of the UOG and QAA of the HEC.

Quality enhancement practices at the UOG include feedback surveys, program reviews, periodic assessment, auditing of courses, monitoring of classes and examinations, training and workshops to promote quality culture. The feedback mechanism comprises of student course evaluation, faculty course review, survey of graduating students, research student's progress review, faculty survey, Alumni survey, Teachers' Evaluation survey and survey of departments offering the PhD. program. The input thus obtained from different stakeholders is subjected to statistical analysis, which is then utilized in academic decision-making improvement. The review process comprises of self-reviews performed at departmental level, peer review of programs by experts of national repute, and external review by quality assurance bodies to assess our strengths and enhance our capabilities. The program appraisal includes a review of program objectives, outcomes, curriculum, institutional facilities, and institutional support through a systemized process of Self-Assessment of Programs. This periodic assessment ensures continuous improvement in the program segments evaluated by assessment teams, clearly indicating the areas that need improvement. The QEC has also extended its activities at sub campuses and established the QEC at affiliated colleges.



MEMBERSHIP AND ACCREDITATIONS

Quality Enhancement Cell has acquired membership of the International Network for Quality Assurance Agencies in Higher Education (INQAHEE), APQN and PCTN in order to develop academic standards, review existing quality parameters and implement qualification frameworks. QEC also encourages the accreditation of programs with reputable accreditation bodies i.e. Pakistan Medical and Dental Council (PMDC), Pakistan Engineering Council (PEC), National Computing Education Accreditation Council (NCEAC) and National Accreditation Council for Teacher Education (NACTE), National Business Education Accreditation Council (NBEAC), Pakistan Bar Council (PBC), Pakistan Council of Architects and Town Planner (PCATP). Moreover, Director QEC being a member of the Syndicate, Selection Board, Academic Council, Advanced Studies and Research Board, Board of Studies, Board of Faculties and Finance and Planning Committee, provides his opinion and expertise in various matters pertaining to quality assurance and enhancement in higher education.

COMMUNITY ENGAGEMENT THROUGH EVENTS:

1. Reimagining Pedagogical Approaches: Transforming Classroom Cultures” organized by the Quality Enhancement Cell (QEC) for Affiliated Colleges (QECAC), University of Gujrat.



2. RIPE Review Conducted at UOG for 2025



7. One day training workshop on the topic “Review of Institutional Performance and Enhancement (RIPE)”, organized by the QEC, UOG on dated 14th January, 2025. Mr Rehmat Ullah, Deputy Director QEC, University of Sargodha was the resource person of this workshop.
8. One-day training workshop on the topic “PREE (Program Review for Effectiveness and Enhancement)”, organized by the QEC, UOG on dated 15th January, 2025. Mr Rehmat Ullah, Deputy Director QEC, University of Sargodha was the resource person of this workshop.





5 GENDER EQUALITY





SDG 5: GENDER EQUALITY

Women and girls continue to suffer discrimination and violence in every part of the world. Gender equality is a fundamental human right, and a foundation for a peaceful, prosperous and sustainable world. Providing women and girls with equal access to education is a key part of delivering gender equality, but universities also have a wider role to drive forward gender equality in their communities. In this scenario. The University of Gujrat is providing access and then supporting academic progression of women.

Gender Equality is the fifth SDGs set by the United Nations to empower women and end gender discrimination through social cohesion. The UOG is providing equal admission opportunities based on merit as per the university's prescribed rules & regulations, policies, and procedures. Equal admission opportunity refers to all people, irrespective of gender, race, color, age, religious belief, marital or parental status, having the same access to employment and admission. Mainly, the university environment is free of gender discrimination or harassment and provides equal opportunities to women. Approximately 59% of female students and 41% male students are studying at the main campus, i.e., Hafiz Hayat Campus, UOG, Gujrat. The University of Gujrat always strives to provide equal facilities to all genders. The University does not discriminate admissions on the basis of religion. All students who meet the merit criteria are eligible for admission, irrespective of caste, creed or religion.

1. UOG has adopted the Protection Against Harassment of Women Policy:

https://uog.edu.pk/downloads/Protection_Against_Harassment_Women_Workplace.pdf

https://uog.edu.pk/downloads/CODE_OF_CONDUCT_URDU.pdf

https://uog.edu.pk/downloads/Policy_Protection_against_Sexual_Harassment_2024.pdf

https://uog.edu.pk/downloads/Focal_person_Sexual_H.pdf

https://uog.edu.pk/downloads/Appellate_Committee_2024.pdf

2. The Women Development Centre of the University of Gujrat and the Women Development Department (WDD) of the Government of Punjab jointly organized an awareness session at Hafiz Hayat Campus.





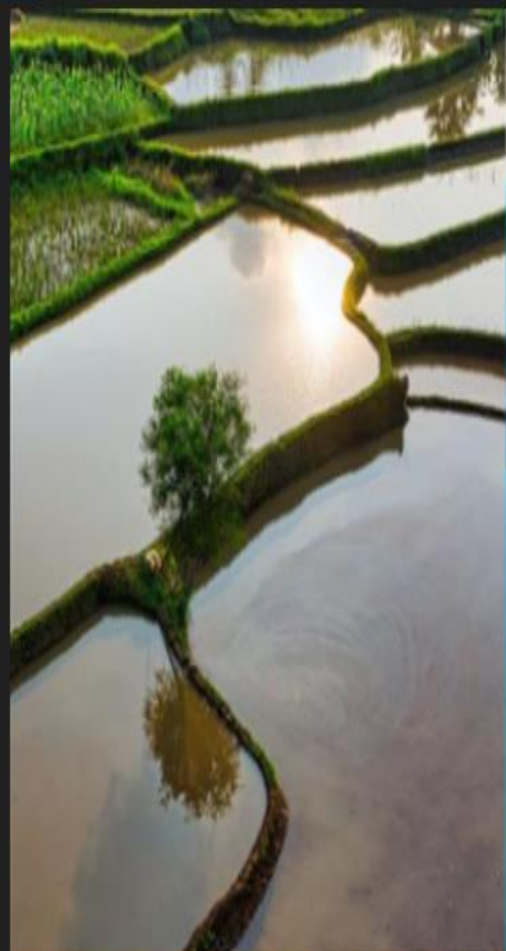
3. Department of Sociology & Psychology organized workshop and peaceful walk on International Women Day (IWD)



4. Women's Day celebrated with focus on food, future and all that jazz

5. In the parking area of UOG special plots reserved for women development center faculty & students.





6 CLEAN WATER AND SANITATION

A white icon on a blue background. It depicts a glass filled with water, with a single water drop falling from the center. Below the glass is a white arrow pointing downwards, symbolizing the flow of water and the goal of clean water and sanitation.

SDG 6: CLEAN WATER & SANITATION

Water supports out agriculture and aquaculture. Clean water is vital. However, due to bad economics or poor infrastructure, millions of people including children die every year from diseases associated with inadequate water supply, sanitation and hygiene. The University of Gujrat ensure access to water and sanitation for all. UOG is committed to provide clean water and focus over sanitation. University encouraged to conduct research with close collaboration of ORIC and involvement of key stakeholders like “Water and Sanitation Authority of District Gujrat for the provision of clean drinking water. Currently water filter installed in buildings and in the campus for the availability of the students, staff and faculty. University is strengthening its capacity in SDGs#6.

UOG workshop explores green energy solutions. With a view to providing hands-on training to students on exploring ways to generate bioelectricity through wastewater treatment, a two-day national workshop opened at Hafiz Hayat Campus of the University of Gujrat. The workshop, titled ‘Microbial Fuel Cell Technology: Powering the Future Sustainability – Exploring Bioelectricity Generation through Wastewater Treatment,’ was organized by the Department of Chemistry in collaboration with ORIC, the Bio Electroanalytical Laboratory and the Molecular Biology Laboratory of the Department of Zoology.

Water Conservation Program Implementation: All buildings of the University of Gujrat have a separated sewerage and drainage system, for waste water and for clean water (rainwater).



Two Days National Workshop On
Microbial Fuel Cells Technology: Powering The Future Sustainability
 EXPLORING BIOELECTRICITY GENERATION THROUGH WASTEWATER TREATMENT

SCOPE
 The scope of this workshop is to provide a comprehensive understanding of microbial fuel cells (MFCs), covering their fundamental principles, recent advancements in electrode and membrane materials, and their practical applications in wastewater treatment and bioenergy generation. The workshop also aims to offer hands-on training in MFC construction and performance evaluation, while addressing challenges related to MFC construction, bio-electrochemical performance and microbial community analysis etc.

8-9 October, 2025 (9:00am to 3:30pm)
 at Department of Chemistry/Zoology, UoG

Organized by **Bio-Electroanalytical Laboratory, Department of Chemistry**
 In collaboration with **Molecular Biology Laboratory, Department of Zoology & Office of Research Innovation and Commercialization (ORIC), University of Gujrat**
 Supported by **HEC Funded Research Project, NRP-14751**

Organizing Committees

Advisors / Supervision
 Prof. Dr. M. Asim Raza, Professor, Department of Chemistry, University of Gujrat
 Dr. Khalid Iqbal (Deputy Manager), Dr. Tahir Rashid (Assistant Manager), Miss Fozia Raza (Superintendent), ORIC, University of Gujrat

Chief Organizer
 Dr. Muhammad Waseem Mumtaz, Bio-Electroanalytical Laboratory, Principal Investigator NRP-14751, Assistant Professor, Department of Chemistry, University of Gujrat

Event Coordinator
 Dr. M. Hameez, Associate Professor, Department of Chemistry, University of Gujrat

Training Assistant
 Mr. Haseeb Ashraf, Mr. Abdul Qadeer, Mr. Abdullah, Miss Rubab Zahra, Miss Samra Anshad, Mr. Hannan Tahir, Miss Zara Mukaddas, Miss Sahabat Bibi, Miss Soniya Mazhar

Resource Persons
 Prof. Dr. Nemat Mahdian, Co-Principal Investigator NRP-14751, Director (EA), Institute of Industrial Biotechnology, Dareslab, QIC, QIC University Lahore, Pakistan
 Dr. Muhammad Waseem Mumtaz, Principal Investigator NRP-14751, Assistant Professor, Department of Chemistry, University of Gujrat
 Dr. Tahir Iqbal, Molecular Biology Laboratory, Department of Zoology, University of Gujrat
 Dr. Syed Ali Raza, Water Resource Zone, PAF, Govt of Punjab, Pakistan

Organized by: **Bio-Electroanalytical Laboratory, Department of Chemistry in Collaboration with Molecular Biology Lab, Department of Zoology and ORIC, UoG**
 Supported by: **HEC Funded Project NRP-14751**

The water filtering Unit with the capacity of 24000 gallons are continuously providing safe





and filtered water to the students, employees and the residents of UOG HH campus.

Water Recycling Program Implementation:

Gujrat city falls in sweet water zone. A total of 65 tube wells fall under the domain of MC Gujrat.

Approximately 2 main water filtration plants are located in HH Campus of UOG.

1. Major portion of the wastewater generated at the UOG HH campus is aerobically treated and is then used for watering plants and vegetation.
2. The water filtering Unit with the capacity of 15,000 gallons per day respectively are continuously providing safe and filtered water to the students, employees and the residents of UOG.
3. Water Efficient Appliances Usage (e.g. hand washing taps, toilet flush, etc.)





Consumption of Treated Water: Major portion of the wastewater generated at the UOG HH campus is aerobically treated and is then used for watering plants and vegetation.

Two central water treatment plants have been installed in University of Gujrat HH Campus which is monitored regularly. Moreover, other small treatment setups are installed along with the water coolers to make access to clean drinking easier. There are two central water filtration Units with the capacity of 24,000 gallons per day respectively are continuously providing safe and filtered water to the



students, employees and the residents of UOG. it located at Backside of University Masjid and front side of Girls Hostels and other is located in front of Academic Blocks.

Water pollution control in Campus area: University of Gujrat situated in rural area and the underground water is mostly used. Therefore, there is no polluted water is produced. However, UOG has a system to prevent polluted water to enter the water system by using waste water management and micro filter. The recycled water is streamed to infiltration units, which then can be used as reserved for water resources.

University Framework on wise Use of Water: The University of Gujrat (UOG) recognizes sustainable water management as a key priority area to conserve natural resources and promote environmental stewardship. The university has started to plan the ICT-based solutions of its water management initiatives.

Activity	Description
Campus Water Audit	Initial assessment of water consumption patterns, storage capacity, and potential wastage points.
ICT Infrastructure Planning	Identification of suitable technologies (online dashboards, leak sensors) for implementation.
Strategic Policy Development	Drafting and approving the Campus Water Conservation Policy emphasizing digital monitoring and sustainability.
Budgeting & Resource Allocation	Allocation of funds for smart water meters, water-saving fixtures, and maintenance systems.

Projects on the topic of “Design and application of photo-catalytic reactor for treatment of industrial waste water”



SEWERAGE DISPOSAL POLICY

The University of Gujrat (UOG) has implemented a Sewerage Disposal Policy that ensures environmentally responsible wastewater management across the campus. The policy adopts a primary treatment process before final disposal, allowing for the removal of solid waste and suspended particles to reduce environmental contamination.

This approach supports the university's commitment to sustainable infrastructure and environmental protection. The treated wastewater is safely discharged in compliance with local environmental standards, minimizing the ecological footprint of campus operations.





7 AFFORDABLE AND CLEAN ENERGY





SDG 7: AFFORDABLE AND CLEAN ENERGY

After water and food, energy is one of the key enablers of human life. Energy is central to nearly every major challenge and opportunity the world faces today and access to energy for all is essential. But energy needs to be available and affordable to all to allow future development, and it needs to be clean in order to ensure that the development can be sustainable. The University of Gujrat promotes and supports clean



energy, both through research, outreach, and also in their own behavior and usage. is the seventh SDGs defined by the United Nations to invest in renewable energy and ensure global access to reliable and affordable energy services.

UOG intends to realize further energy savings by paying close attention to energy management. All parts of the organization can assess their own energy consumption and realize their own energy-saving potential by means of, for



example, insulation, LED lighting and the deployment of sustainable technology.

- ✚ Use of LED lighting and lamps with light detection
- ✚ Using renewable energy for electricity that reducing purchased electricity





- ✚ Using Ride share (in drive) to encourage commuters to adopt healthy and sustainable transportation options.
- ✚ The University of Gujarat has successfully installed the Solarization scheme of the 3 blocks in the first phase.



The University of Gujarat has successfully installed the Solarization scheme of the main campus in the first phase.

University of Gujarat (UOG) recognizes the significance of energy conservation and climate action as essential components of its sustainability agenda. To achieve these goals, the University has adopted an ICT-based approach for the planning, implementation, monitoring, and evaluation of programs related to energy management and environmental sustainability. The use of Information and Communication Technology (ICT) enables accurate data collection, transparent reporting, and efficient decision-making, aligning with the objectives of Sustainable Development Goal 7 (Affordable and Clean Energy) and SDG 13 (Climate Action).

The University, through its Directorate of Planning & Development (P&D) and Directorate of IT Services, is developing an ICT-supported framework to manage and reduce campus energy consumption and promote green energy use.

- ✚ Development of a Digital Energy Management Plan (DEMP) in collaboration with the IT Services Department.
- ✚ Mapping of campus buildings and energy consumption patterns using digital monitoring tools.
- ✚ Integration of ICT-based solar energy tracking systems for the central power grid.
- ✚ Planning of paperless administrative systems to reduce indirect carbon emissions.

During **implementation**, ICT will have played a central role in deploying sustainable infrastructure and ensuring efficient use of resources by using the following parameters:

- ✚ Installation of smart energy meters across administrative and academic blocks for real-time consumption tracking.
- ✚ Implementation of solar panel monitoring software to evaluate renewable energy generation.



- ✦ Digital campaigns for awareness on energy conservation and climate change through the university's website and LMS.

The ICT-based systems will be allowed continuous **monitoring** of energy and environmental indicators.

- ✦ Monthly energy consumption reports auto-generated through the ICT energy platform.
- ✦ Real-time alerts for abnormal energy usage.
- ✦ Data sharing between IT and Maintenance departments for preventive action.
- ✦ Tracking of CO₂ emission reductions through digital records.

Seminar/Conferences on Energy & Power

The two-day International Conference on Energy, Power, Environment, Control and Computing (ICEPECC-2025) opened at Hafiz Hayat Campus of the University of Gujrat on Wednesday. The conference, which is organized by the Faculty of Engineering and Technology of the UOG and the GIFT University Gujranwala, provides a collaborative platform for scientists, engineers and experts to share innovative trends, challenges and solutions related to sustainable energy, power, environment, control and computing.





8 DECENT WORK AND ECONOMIC GROWTH





SDG 8: DECENT WORK & ECONOMIC GROWTH

Decent work in safe and stable conditions is a vital component of helping people out of poverty, with the related aspects of reducing hunger and increasing health. The rise of precarious employment, modern slavery, and uneven growth has created threats to a sustainable future. Universities as employers can lead the way, as teachers can educate for the future, and as innovators can develop new and fairer ways of working. Sustainable Revenue Generation through 116 Affiliated Colleges: Advancing Decent Work and Economic Growth"

The University of Gujrat supports Decent Work and



گجرات: جامعہ گجرات کے بزنس انکوبیشن سنٹر کے زیر اہتمام بزنس آئیڈیا کمپی ٹیشن کے مناظر۔

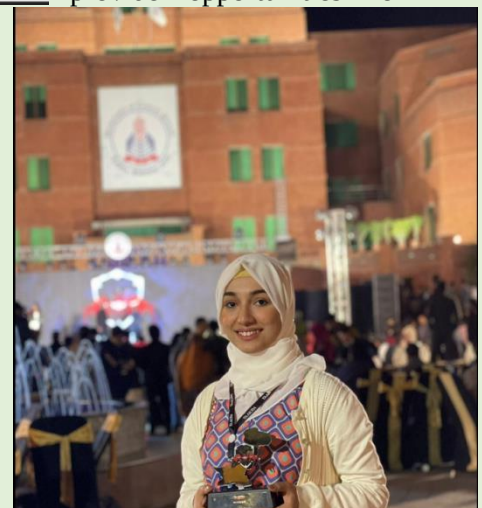
students across various regions to access quality education, supporting skill development and employability. The affiliation system helps to create teaching and administrative jobs, thereby promoting decent work.

2- Faculty Business Idea Pitch Presentations, hosted by the Business Incubation Center at the University of Gujrat. This event is an excellent opportunity for faculty members to showcase their innovative business ideas, receive valuable feedback from industry experts, and explore potential avenues for commercialization and collaboration.

3- UOG student won battle of business ideas at UCP.

Economic Growth by generating revenue through its vast network of affiliated colleges. This model not only enhances the university's financial sustainability but also contributes to the local economy by:

1- Affiliated colleges provide opportunities for





4- Human Resource Development Center (HRDC) & Poverty Research Centre (PRC), University of Gujrat with the aim to enhance the professional development and effectiveness of faculty and staff within the university. Two-Day workshop on Research Methodology and Fieldwork Training organized by the Poverty Research Center, UOG in collaboration with World Health Organization.



5- The 4-day training program on research methodologies, organized by the Poverty Research Centre (PRC) at the University of Gujrat (UOG) in collaboration with the World Health Organization (WHO), came to a successful close! The closing ceremony was graced by esteemed guests, including Dr. Faisal Mahmood Mirza, Dean FSS, and Dr. Samiullah, Director HRDC.

6- HRDC-University of Gujrat organized a collaborative session with Pakistan Economic Forum (PEF) for some debate on this initiative for the knowledge sharing with Faculty and Student of UOG on January 14, 2025 (Tuesday) from 7pm to 8pm via Zoom Link.





Webinar On
"URBAN: 5Es-Based National Economic Transformation Plan (2024-29)"
hosted by the
PAKISTAN ECONOMIC FORUM (PEF)
With the collaboration of
HUMAN RESOURCE DEVELOPMENT CENTER
UNIVERSITY OF GUJRAT
on Tuesday 14-01-2025,
from 7:00 PM to 8:00 PM (PST) via Zoom.



Join Now!


E-CERTIFICATES WILL BE GIVEN TO THE PARTICIPANTS

 DR. SAMI ULLAH Director, Human Resource Development Centre, University of Gujrat Member of Pakistan Economic Forum Moderator	 PROF. DR. TALAT ANWAR Professor of Economics, SBP Memorial Chair at Bahauddin Zakariya University, Multan MSc Quantitative Development Economics, University of Warwick, UK, PhD Economics, University of Sussex, UK.	 DR. AADIL NAKHODA Faculty member IBA, Karachi International Trade Expert PhD in International Economics, UC Santa Cruz International Trade Expert	 DR. QAIS ASLAM Professor of Economics UCP Business School Former Chairman GCU Economics Department, Specialized in Economy of Pakistan, International Economic Relations and SDGs
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www.pkef.org
The Pakistan Economic Forum is Pakistan's first and largest organization offering a platform for panel discussions among various think tanks, as well as workshops, seminars, and collaborations with different institutions.



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



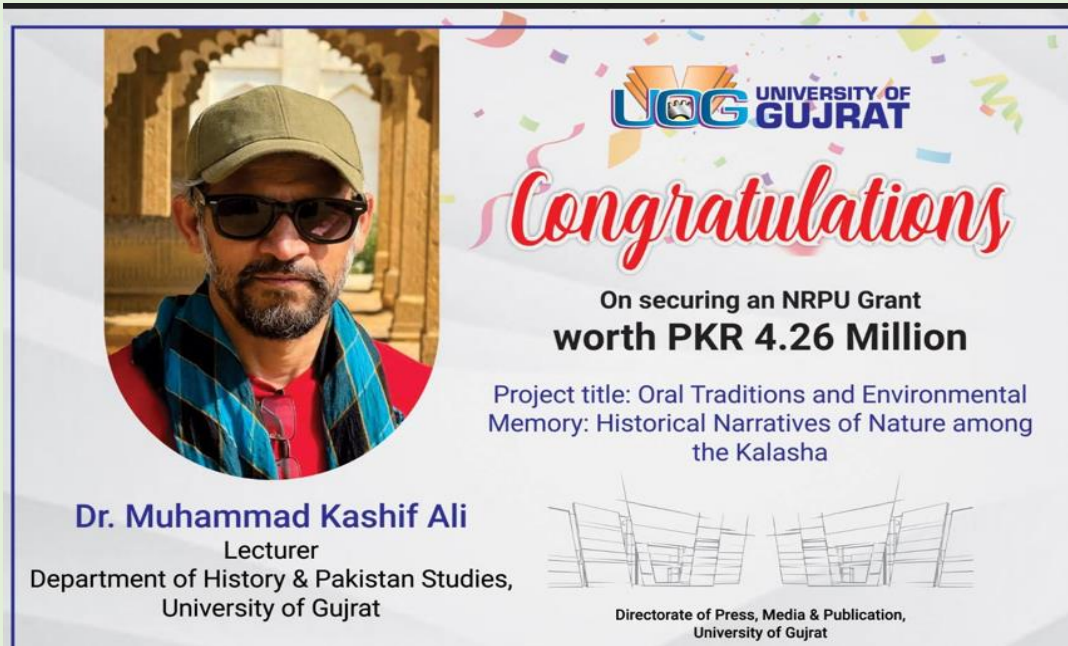


SDG 9: INDUSTRY, INNOVATION & INFRASTRUCTURE

Investments in infrastructure – transport, irrigation, energy and information and communication technology – are crucial to achieving sustainable development and empowering communities in many countries. The University of Gujrat drives innovation through links to industry. The aim is to encourage research, innovation and technology development in developing countries.

University of Gujrat has following research & industry based centers:

1- Office of Research, Innovation and Commercialization (ORIC): In University of Gujrat, ORIC facilitates the teaching as well as non-teaching staff in promoting their research activities, build their capacity by organizing events and training, and provide technical support in seeking project grants from national and international donors. With specific focus on sustainable development goals (SDGs), ORIC has established network with national and global organizations to expand research horizon of University of Gujrat. Funded projects of UOG for the period of 2025-26 related to sustainability research are:

	Approved Budget Amount in US Dollars
 Dr. Muhammad Kashif Ali Lecturer Department of History & Pakistan Studies, University of Gujrat On securing an NRPU Grant worth PKR 4.26 Million Project title: Oral Traditions and Environmental Memory: Historical Narratives of Nature among the Kalasha Directorate of Press, Media & Publication, University of Gujrat	\$15307.22



 PAKISTANI COLLABORATORS: • Dr. Mian Husnain Nawaz (PI, Associate Professor) • Dr. Sara Riaz (Associate Professor) • Dr. Muhammad Nadir (Associate Professor) • Prof. Dr. Muhammad Nadeem Zafar (Professor) COMSATS University Lahore and University of Gujrat, Gujrat CHINESE COLLABORATORS: • Prof. Li Niu (PI, Professor) • Dr. Youxing Fang (Associate Professor) • Dr. Yan Liu • Dr. Yi Zhan (Associate Professor) Sun Yat-sen University, Zhuhai, China	 FACULTY ACHIEVEMENT Prof. Dr. Muhammad Nadeem Zafar Department of Chemistry, Faculty of Science University of Gujrat has secured a RESEARCH PROJECT in collaboration with Prof. MH Nawaz (Lead PI, Associate Professor) COMSATS University Islamabad, Lahore Campus PROJECT TITLE: Harnessing protein-mediated pseudocapacitors for sustainable green energy PROGRAM TITLE: Joint Scientific Exchange Program (JSEP) PSF-NSFC FUNDING AGENCIES: Pakistan Science Foundation, Islamabad, Pakistan and The National Natural Science Foundation of China, Beijing, China AMOUNT: 9 million PKR 	\$32339.20
 Dr. Zubair Mehmood Lecturer Department of Electrical Engineering, University of Gujrat	 Congratulations On securing an NRPU Grant worth PKR 8.5 Million Project title: High Frequency Circuit Design Lab for Semiconductor Chip Design Ecosystem Development in Pakistan  Directorate of Press, Media & Publication, University of Gujrat	\$30542.58

COLLABORATION FOR INDUSTRY ACADEMIA RELATIONSHIP



The MoUs plays a pivotal role in establishing collaboration with other institutions and ORIC is the focal office for instituting such partnerships, associations and cooperation.

1- UOG and Gujrat Chamber of Commerce & Industry Sign MoU to Strengthen Academia-Industry Linkages, the Gujrat Chamber of Commerce and Industry Invited Worthy Vice Chancellor of the University of Gujrat, Prof. Dr. Zahoor-ul-Haq (TI), for a significant MoU signing ceremony between UOG and GCCI.



2- University of Gujrat Signs MoU with NADRA.



3- The University of Gujrat (UoG) and the Instituto de Física de São Carlos, Universidade de São Paulo (USP), Brazil, have signed a Memorandum of Understanding (MoU) to foster academic and research cooperation between the two institutions.



4- MoU is signed between University of Gujrat and Gujranwala Institute of Nuclear Medicine (GINUM). On behalf of VC UOG, prof Dr Audil Rashid, Director ORIC signed.

Technology and Innovation Support Center (TISC): University of Gujrat has established Technology and Innovation Support Center (TISC) in Office of Research, Innovation and Commercialization (ORIC) in collaboration with the Higher Education Commission (HEC) of Pakistan, Intellectual Property Organization (IPO) Pakistan and Ministry of Science & Technology.



Joint Application Agreement

for the National Key Research and Development Program of
"Rough Approximations of Internal-External Cubic Fuzzy Soft Sets with Applications in Medical Decision Making"
China-Pakistan Cooperation on Intergovernmental International Scientific and Technological Innovation Cooperation
Key Special Project

Based on the laws and administrative methods such as the Science and Technology Progress Law of the People's Republic of China, the Contract Law of the People's Republic of China, the Copyright Law of the People's Republic of China, the Patent Law of the People's Republic of China, and relevant regulations on intergovernmental international scientific and technological innovation cooperation, by consensus, both parties agree to put forward a joint application of "Rough Approximations of Internal-External Cubic Fuzzy Soft Sets with Applications in Medical Decision Making" (referred to as the "project") for the National Key Research and Development Program Key Project of Intergovernmental International Scientific and Technological Innovation Cooperation, and arrive at the following agreement.

1. The Consortium

Both parties agree that Jilin University serves as the host institution of the project and the University of Gujrat (Pakistan) is the international cooperative partner (hereinafter referred to as "partner") of the project. Parties to the collaboration:

Party A: Jilin University

- Principal Investigator: Prof. SUN Xiaosong (孙晓松)
- TEL: 0086-13596153585
- E-mail: sunxs@jlu.edu.cn
- Address: School of Mathematics, Jilin University, No 2699, Qianjin Street, Changchun City, Jilin Province, 130012, China

Party B: University of Gujrat

- Principal Investigator: Shahida Bashir
- TEL: +923008336240
- E-mail: shahida.bashir@uog.edu.pk
- Address: Department of Mathematics, University of Gujrat, 50700, Gujrat, Pakistan

2. Work Divisions of the Consortium

The task of the consortium is divided as follows, to ensure the smooth implementation of the intergovernmental international scientific and technological innovation cooperation key special project:

Party A (Jilin University):

Provide expert consultation on internal cubic fuzzy soft sets and rough approximation theory. Help in refining the mathematical formulations and reviewing the research methodology that will be carried out for analysis in medical decision-making scenarios. Also participate in the verification of results and the preparation of research outputs.

Assist in validating algorithms and interpreting experimental results. Also, they will support the application of the proposed model in medical decision-making scenarios and contribute to the writing, reviewing, and improvement of research publications.

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punjab's public and private institutions



MEMORANDUM OF UNDERSTANDING

BETWEEN

中华人民共和国驻拉合尔总领事馆

THE CONSULATE GENERAL OF THE PEOPLE'S REPUBLIC OF CHINA IN LAHORE

AND

UNIVERSITY OF GUJRAT

WHEREAS, The **Consulate General of the People's Republic of China in Lahore**, Pakistan, a diplomatic mission of the People's Republic of China, located at LAHORE (hereinafter referred to as "the Consulate General");

AND

The **UNIVERSITY OF GUJRAT**, a university established under Act-IX of 2004 of Pakistan and having an address at Hafiz Hayat Campus (Main Campus) Jalalpur Jattan Road, Gujrat, Pakistan (hereinafter referred to as "UOG");

Having recognized the legacy of long-standing and deep-rooted friendship between the Islamic Republic of Pakistan and the People's Republic of China; desire to strengthen the bonds of cooperation in the fields of education, research, and culture, the Parties hereby express their mutual understanding to collaborate with the following objectives:

1. Establish a framework for sustainable and mutually beneficial cooperation.
2. Promote academic and cultural exchanges between UoG and institutions in China.
3. Enhance research collaboration in areas of strategic importance to both nations.
4. Contribute to the development of high-quality human resources capable of contributing to CPEC and other joint initiatives.

NOW THEREFORE PURSUANT TO the Broader Framework laid above, the Parties hereby agree as follows:

Clause 1: Areas of Collaboration

The Parties agree to explore collaboration in the following areas, subject to mutual consent and the availability of resources:

1.1 Academic & Student Exchange:

- I. Facilitating student exchange programs for study and research at undergraduate, graduate, and postgraduate levels.
- II. Promoting participation in short-term academic programs, such as summer and winter schools.
- III. Exploring the development of articulation agreements and dual/double degree programs with Chinese universities.
- IV. The UOG with the help of the Consulate General office will endeavor to facilitate introductions and partnerships between UoG and reputable Chinese universities, with the goal of designating one or more as official "Sister Universities" of UoG in Pakistan.



Joint Research Proposal Agreement

Title: The Design of Hierarchical-Pore Bismuth-Based Photocatalysts with Synergistic Adsorption and Photocatalytic Oxidation Properties

Submitted under the 5th Call for Joint Research Projects between Pakistan Science Foundation and National Natural Science Foundation China

Agreement

This Agreement (hereinafter referred to as the "Agreement") is between the following parties:

1. The Chinese Research Team:

Name of Principal Investigator: Prof. Han Qiaofeng

Institution: Nanjing University of Science and Technology

Address: Nanjing University of Science and Technology, Nanjing, 210094, Jiangsu, PR China

Email: hanqiaofeng@njut.edu.cn

Phone: +86-25-84315943

2. The Pakistani Research Team:

Name of Principal Investigator: Dr. Abdul Hannan Zahid

Institution: University of Gujrat

Address: University of Gujrat, Gujrat, 50700, Pakistan

Email: engr.hannan@uog.edu.pk

Phone: +92-321-6803410

Preamble

WHEREAS, the Chinese Research Team and the Pakistani Research Team (collectively referred to as the "Parties") have expressed their interest in collaborating on a joint research project titled "The Design of Hierarchical-Pore Bismuth-Based Photocatalysts with Synergistic Adsorption and Photocatalytic Oxidation Properties" (hereinafter referred to as the "Project").

WHEREAS, the Project falls under the 5th Call for Joint Research Projects between Pakistan Science Foundation (PSF) and National Natural Science Foundation China (NSFC).

NOW, THEREFORE, the Parties agree as follows:

1. Objective of the Agreement

MEMORANDUM OF UNDERSTANDING

MEMORANDUM OF UNDERSTANDING by and between the **UNIVERSIDADE DE SÃO PAULO**, in the interest of **INSTITUTO DE FÍSICA DE SÃO CARLOS, SP, Brazil**, herein represented by its Dean, **Prof. Dr. Osvaldo Novais de Oliveira Junior**, and **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN**, herein represented by its Vice Chancellor, **Prof. Dr. Zahoor Ul Haq (T.L.)**, in the interest of **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN**, based on the shared understanding that cooperation between both institutions will further research and other academic and cultural activities, do hereby resolve to execute the present Memorandum of Understanding.

The **UNIVERSIDADE DE SÃO PAULO**, in the interest of **INSTITUTO DE FÍSICA DE SÃO CARLOS, SP, Brazil**, located at Av. Trabalhador São-carlense, 400, São Carlos, SP, Brazil, herein represented by its Dean, **Prof. Dr. Osvaldo Novais de Oliveira Junior**, and **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN**, herein represented by its Vice Chancellor, **Prof. Dr. Zahoor Ul Haq (T.L.)**, in the interest of **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN**, based on the shared understanding that cooperation between both institutions will further research and other academic and cultural activities, do hereby resolve to execute the present Memorandum of Understanding.

FIRST CLAUSE – PURPOSE

The **INSTITUTO DE FÍSICA DE SÃO CARLOS DA UNIVERSIDADE DE SÃO PAULO** and **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN** agree to promote academic cooperation between both institutions, in areas of mutual interest, by means of:

1. exchange of teaching staff and researchers;
2. joint development of research projects;
3. joint organization of scientific and cultural events;
4. interchange of information and of academic publications;
5. exchange of students;
6. exchange of members of their technical and administrative staffs;
7. shared courses and subjects.

ACORDO DE COOPERAÇÃO ACADÊMICA INTERNACIONAL

ACORDO DE COOPERAÇÃO entre a **UNIVERSIDADE DE SÃO PAULO**, no interesse do **INSTITUTO DE FÍSICA DE SÃO CARLOS, SP, Brasil**, representada por seu (sua) Diretor **Prof. Dr. Osvaldo Novais de Oliveira Junior** e **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN**, que visa à cooperação acadêmica entre as partes.

A **UNIVERSIDADE DE SÃO PAULO**, no interesse do **INSTITUTO DE FÍSICA DE SÃO CARLOS, SP, Brasil**, estabelecida na Av. Trabalhador São-carlense, 400, São Carlos, SP, Brasil, representada por seu (sua) Diretor **Prof. Dr. Osvaldo Novais de Oliveira Junior** e **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN**, herein represented by its Vice Chancellor, **Prof. Dr. Zahoor Ul Haq (T.L.)**, in the interest of **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN**, cientes de que a cooperação entre ambas as instituições promoverá o desenvolvimento de pesquisas e outras atividades acadêmicas e culturais, resolvem celebrar o seguinte acordo de cooperação.

CLÁUSULA PRIMEIRA - OBJETO

O **INSTITUTO DE FÍSICA DE SÃO CARLOS DA UNIVERSIDADE DE SÃO PAULO** e o **UNIVERSITY OF GUJRAT, GUJRAT, PAKISTAN** concordam em promover a cooperação acadêmica entre ambas as instituições, em áreas de mútuo interesse, por meio de:

1. intercâmbio de docentes e pesquisadores;
2. elaboração conjunta de projetos de pesquisa;
3. organização conjunta de eventos científicos e culturais;
4. intercâmbio de informações e publicações acadêmicas;
5. intercâmbio de estudantes;
6. intercâmbio de membros da equipe técnico-administrativa;
7. cursos e disciplinas compartilhados.

Joint Research Agreement

1. Title of the Joint Research Project

Research on the Application of Therapeutic Carrier and Controlled Release Materials Based on Janus "Ball-Stick" Magnetic Nanoparticles and Mathematical Modeling for Abdominal Aortic Aneurysm Treatment

2. Principal Investigators and Main Participants from Both Sides

Pakistan side	China side
1. Principal Investigator	1. Principal Investigator
Azad Hussain	Jian Zhang
2. List of participating researchers	2. List of participating researchers
Taimoor Salahuddin (Co-PI)	Yanshuo Han (Co-PI)
Muhammad Naveel Riaz Dar (Ph.D.)	Yun Lun (Associate professor)
Rabia Ashraf (Ph.D. candidate)	Han Jiang (Associate professor)
Iqra Asghar (PhD candidate)	Yuchen He (Surgeon-in-charge)
Tayyaba kanwal (Master student)	Li Wang (Associate professor)
	Shiyue Wang (Lecturer)
	Qingwei Gang (Lecturer)
	Shikai Shen (Surgeon-in-charge)
	Yao Qi (Lecturer)
	Yixian Wang (Doctoral student, Ph.D candidate)
	Ltwei Pang (Doctoral student, Ph.D candidate)



CHINA-PAKISTAN JOINT RESEARCH PROGRAM 2025

Joint Cooperation Agreement

All parties to this agreement, in accordance with relevant laws, regulations, and the requirements of the management authorities, have reached the following agreement through equal consultation regarding the joint application for the PSF/MoST and MoST China "China-Pakistan joint research program 2025".

All cooperating parties agree to abide by the following terms:

1. All parties fully understand and accept all requirements and provisions of the **China-Pakistan joint research program 2025**. The personnel participating in the application and their respective teams have **not submitted repetitive or overlapping applications** for the same project.
2. If the project is selected, all parties shall carry out the relevant research in accordance with the requirements and regulations and shall strictly fulfill the corresponding obligations.
3. Both parties shall bear confidentiality responsibilities and obligations for all documents and materials involved in the project application and implementation process. Without mutual consent, no party shall disclose or transfer any information to any third party.
4. Any matters not covered in this agreement shall be resolved through friendly consultation among the parties.



Prof. Dr. Yang Ji
East China University of Science and Technology,
Shanghai, China



Dr. Khurram Shahzad Ayub
University of Gujrat, Gujrat,
Pakistan

Date of Signing: 15th Dec 2025

2026 年度“政府间国际科技创新合作”重点专项合作协议 Joint Research Cooperation Agreement for the 2026 Key Program of "Intergovernmental International Science, Technology and Innovation Cooperation"

甲方：中国水产科学研究院珠江水产研究所

通讯地址：广东省广州市荔湾区彩虹桥路

项目负责人：李红燕

联系方式：+86 020-81616178

Party A: Pearl River Fisheries Research Institute, Chinese Academy of Fishery Sciences
Correspondence Address: 1 Xingyu Road, Liwan District, Guangzhou City, Guangdong Province

Project Lead: Li Hongyan

TEL: +86 020-81616178

乙方：巴基斯坦旁遮普邦古吉拉特大学

通讯地址：古吉拉特大学，贾拉普尔贾坦路，古吉拉特邦，旁遮普邦，巴基斯坦。

项目负责人：赛义德·扎基尔·侯赛因·沙阿博士

联系方式：+923060660060

Party B: University of Gujrat, Punjab, Pakistan.

Correspondence Address: University of Gujrat, Jalalpur Jattan Road, Gujrat, Punjab, Pakistan.

Project Lead: Dr. Syed Zakir Hussain Shah

TEL: +923060660060

乙方 (a): 巴基斯坦农业研究理事会

通讯地址：巴基斯坦伊斯兰堡 G-5/1 区阿塔图尔克大道 20 号

通讯员：阿齐兹·阿瓦伊斯

联系方式：+923017009933

Party B (a): Pakistan Agricultural Research Council

Page 1 of 6






This SERVICE AGREEMENT (the "Agreement") is entered into by and between the parties as shown below:

Party A: School of Physical Science & Technology, Guangxi University Address: NO. 100, Daxue Road, Xixiantang District, Nanning, China Tel: +86-551-65591064 Email: gjc@gxu.edu.cn	Party B: Mudassar Maraj Address: Office#S-111, Science block Hafiz Hayat campus, University of Gujrat, Gujrat, Pakistan Tel: +92-333-5862929 Email: mudassar.maraj@uog.edu.pk
---	---

Party A and Party B agree on the terms and conditions set out below.

Article 1 Engagement

1.1 Agreement on Engagement

Party A agrees to engage Party B, and Party B accepts engagement by Party A as a Visiting Scientist in accordance with the terms and conditions of this Agreement.

1.2 Nature of Engagement

The engagement under this Agreement is not intended to create an employment relationship between Party A and Party B. Accordingly, Party B shall not be entitled to any remuneration and benefits other than those provided for under this Agreement.

Article 2 Terms

The term of the engagement under this Agreement shall be 12 months, commencing on 01-11-2025 and ending on 31-10-2026 (both dates inclusive).

Article 3 Duties of Party B

3.1 Scope of Work

Party B shall work for Party A during the term of this Agreement according to the work plan agreed upon between Party A and Party B.

- The Part A shall, during the Term of this Agreement, will work for the project entitled "Reliability analysis of AlGaIn based deep ultraviolet LEDs for sustainable environmental goals" approved by Chinese Ministry of Science and Technology under Talented Young Scientist Program for Belt & Road Initiative, as the full time investigator of the project in accordance with the mutually agreed work plan.

Cooperation Agreement for Joint Project Application for the Key Project of Intergovernmental International Scientific and Technological Innovation Cooperation

Party A (Chinese Side)

Institution Name: Hefei Institutes of Physical Science, CAS

Address: No. 350, Shushanhu Road, Hefei, Anhui, China

Principal Investigator:
WANG Zhenyang

Title/Position: Researcher

Party B (Pakistani Side)

Institution Name: University of Gujrat,
Gujrat 50700, Pakistan

Address: Department of Physics, Alkharzmi Block, S-111, HH Campus, Gujrat, Pakistan

Principal Investigator:
Dr. Ghulam Nabi

Title/Position: Tenured Associate Professor,
Approved Doctoral Supervisor
Leader Functional Energy Materials Lab

In the spirit of mutual benefit and complementary advantages, Party A and Party B hereby agree to jointly apply for the China-Pakistan Joint Research Project under the National Key R&D Program of China titled "Intergovernmental International Scientific and Technological Innovation Cooperation".

After friendly consultations, both parties have reached the following agreement on the joint application of the project:

Project Title:

"Structure-Programmable Thick Electrode Construction Technology and Multi-scale Transport Mechanisms for High-Energy-Density Aqueous Supercapacitors"

I. Division of Tasks

1. Responsibilities of Party A: As the leading applicant, Party A shall be responsible for the overall design and implementation of the project. It shall focus on the laser fabrication of gradient-structured thick electrodes, simulation and analysis of multi-scale ion transport mechanisms, and system integration and prototype development of energy storage modules.

2. Responsibilities of Party B: As the international collaborator, Party B shall focus on the synthesis and screening of high-activity pseudocapacitive



PROFORMA FOR JOINT MULTILATERAL RESEARCH PROJECTS UNDER SHANGHAI
COOPERATION ORGANIZATION (SCO) RUSSIA, PAKISTAN, CHINA, UZBEKISTAN, BELARUS
AND KAZAKHSTAN

For official use only	
Reference title	
Integrated Multi-Cause and Multi-Scale Flood Risk Assessment and Resilient Community Building in the Mountainous Regions of Central Asia under Climate Change	
Date received: 06-17-2025	Project Code/No. (PSF): PSF-SCO/202504/1674

JOINT MULTILATERAL RESEARCH AND DEVELOPMENT PROJECT PROPOSAL

- Please provide the required information briefly. Condensed statements in the boxes available are preferred. However, additional sheets may be used, if necessary.
- Please attach the curricula vitae of all the participating scientists.
- Pakistani scientists should submit proposals to PSF and Participant scientists to the Participant Countries.

PART 1

Project title
Integrated Multi-Cause and Multi-Scale Flood Risk Assessment and Resilient Community Building in the Mountainous Regions of Central Asia under Climate Change

PAKISTANI SIDE		
Principal Investigator: Ghani Rahman		
Date: 06-27-2025	Signature:	
Address: Department of Geography, University of Gujrat, Pakistan		
Telephone: 03339432397	Fax: Null	e-mail: ghani.rahman@uog.edu.pk
List of participating researchers:		
1: Dr. Aybek Arifjanov, Professor		
2: Dr. Weiming Liu, Professor/Research Scientist		
Head of Institution: Prof Dr Zahoor ul Haq, Vice Chancellor, UoG		
Date: 06-27-2025	Signature:	

COUNTERPART 1: China		
Principal Investigator: Prof Dr. Weiming Liu		
Date: 06-27-2025	Signature:	
Address: Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu 610213, China		
Telephone: 8615390030759	e-mail: Liuwm@imde.ac.cn	

COUNTERPART 2: Uzbekistan		
Principal Investigator: Aybek Arifjanov		
Date: 06-27-2025	Signature:	
Address: Hydraulics and hydroinformatics department Tashkent institute of irrigation and agricultural mechanization, Uzbekistan		

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AGREEMENT
ON COOPERATION, PROTECTION AND USE
OF INTELLECTUAL PROPERTY RIGHTS

Brest State Technical University and
full legal name of the organization of the Republic of Belarus
University of Gujrat
full legal name of the foreign partner organization
together hereinafter referred to as the Parties, and each separately referred to as the Party, have signed the following Agreement.

Subject of the Agreement

This Agreement defines the conditions applicable to the results of scientific research carried out in the framework of scientific and technical cooperation between the Parties and within the validity term of this cooperation, as well as rules for the distribution, protection and use of rights to intellectual property created and transmitted through such collaboration in the framework of the project
«Innovative Hybrid GIS and Machine Learning Modeling Approach for Cropland Suitability in North Punjab, Pakistan: Integrating Remote Sensing for Climate-Resilient Agriculture and Land Optimization».

title of the project

Article 1. Mutual Information

- 1.1. The Parties shall promptly inform each other about the ongoing work on the project and results obtained of joint research, including those capable of legal protection, for consistent decision-making to ensure the legal protection of these results and intellectual property created.
- 1.2. The Parties shall exchange scientific publications and other materials relating to joint activities, information on research activities carried out in the organizations – cooperation partners, and will invite the interested representatives of the other Party to participate in these activities.

Article 2. Results Ownership and Protection

- 2.1. Each Party remains the owner of the patented or unpatented results, which were obtained by it before the signing of this Agreement or to be obtained as results of work performed outside the scope of this Agreement.
- 2.2. Patented or unpatented results, including software and databases, obtained in the framework of joint activities may be considered as joint ownership of the Parties in accordance with the contribution made by each of the Parties, unless otherwise been stated.
- 2.3. The Parties shall consult with each other in order to take all necessary measures for the legal protection of the results obtained, including by filing applications for protection certificates for industrial property rights for the results which can become the subject to such protection.
- 2.4. Each Party has the right to use the patented or unpatented results obtained in the framework of the Agreement free of charge for its own scientific purposes.

Article 3. Exploitation of the Results

- 3.1. The Parties shall immediately take all measures necessary for the practical use of the results obtained. They shall jointly determine how to use the protection certificates and the rights to protected intellectual property in the countries concerned.



Business Incubation Center (BIC): Business Incubation Center University of Gujrat provides enabling environment to entrepreneurs and mentor them for being part of global eco-system. Incubation is a business support process that accelerates the successful development of start-up companies by providing new entrepreneurs with an array of targeted resources and services. A business incubator's main goal is to produce successful firms that will leave the program financially viable and freestanding. It creates jobs helping the new graduates to become job providers instead of being job seekers, commercializes new technologies, and strengthens communities and economies.

The University of Gujrat (UOG) is set to revolutionize healthcare in Pakistan through a groundbreaking collaboration with the University of Central Lancashire (UCLan), UK. This strategic partnership aims to introduce Social Prescribing, a globally recognized approach that integrates healthcare with community-based support systems. The initiative received strong endorsement from Vice Chancellor Prof. Dr. Zahoor ul Haq (TI), who emphasized the importance of integrating social prescribing into Pakistan's healthcare framework. A dedicated team, led by Dean Prof. Dr. Faisal Mehmood Mirza and Dr. Muhammad Umar (Director BIC), will collaborate with UCLan to bring this vision to life.

The US diplomat and her delegation showed a keen interest in the ongoing entrepreneurial projects during a visit to the Business Incubation Centre at Hafiz Hayat Campus on Thursday.

UOG's e-Rozgaar Center:





The University of Gujrat hosted an orientation session for the third cohort of the Chief Minister Punjab e-Rozgaar Program at Hafiz Hayat Campus. UOG's e-Rozgaar Center, launched in 2017 as Punjab's first such facility, continues to serve as a leading platform for youth skill development, entrepreneurship, and digital career opportunities. The event was led by Mr. Zahid Raza, Director IT and Incharge e-Rozgaar Center, who emphasized the role of freelancing and digital skills in combating unemployment and strengthening the national economy. Under this government-funded initiative, students are offered three months of free, hands-on training in high-demand areas including:

- ✚ Web Development
- ✚ Graphic Design
- ✚ Digital Marketing
- ✚ E-Commerce
- ✚ AI Tools
- ✚ Python Programming

Faculty and staff including Ali Murtaza, Mian Muhammad Nadeem, Muhammad Nouman, and Shah Jahan were also present at the event.



10 REDUCED INEQUALITIES





SDG 10: REDUCED INEQUALITIES

It primarily focuses on reducing the inequalities at all levels including ethnicity, gender, age, income, disability, religion, origin and economic status. Reduced Inequalities is the tenth SDGs defined by the UN to bring transformative change. Sustainable Development Goal 10 aims at reducing inequality within and among countries. This SDG calls for reducing inequalities in income as well as those based on age, sex, disability, race, ethnicity, origin, religion, or economic or any other status within a country. The goal also addresses inequalities among countries, including those related to representation, migration, and development assistance. UOG is playing a key role in sustaining SDG 10 by constituting grievance committee at university level, disciplinary committee and workplace harassment committee as well.

UOG has adopted the Equality, Diversity and Inclusion Policy: This policy outlines the principles that guide the University's efforts to incorporate equality, diversity, and inclusion into all its operations and activities. The policy ensures that students, faculty, staff, and other stakeholders understand their rights and responsibilities in promoting equality, diversity, and inclusion within the University.

Policy Statement

- ✚ **Creating a Discrimination-Free Environment:** The University aims to create a work and study environment free from discrimination, where all members of the community, including students, faculty, staff, and other stakeholders, are treated with equality.
- ✚ **Promoting Equality, Diversity, and Inclusion:** The University is adopted the policy of EDI to cultivating a culture that embraces equality, diversity, and inclusion across all aspects of the campus community (<https://uog.edu.pk/en/university/right-to-information>).
- ✚ **Discouraging Discriminatory Practices:** The University actively works to discourage all forms of discrimination at every level and in every area of its operations.
- ✚ **Addressing Underrepresentation:** The University will identify areas where certain groups are underrepresented and take measures to ensure their inclusion, providing equal opportunities for all to study, work, and progress.
- ✚ **Recognizing and Supporting Diverse Needs:** The University recognizes the diverse needs of its various groups and individuals and will ensure that its policies, procedures, and practices are designed to accommodate these needs.
- ✚ **Promoting Harmony Through Activities:** The University will celebrate and promote social harmony among diverse groups through relevant events and activities.
- ✚ **Disseminating the Policy:** The policy on equality, diversity, and inclusion will be communicated to all stakeholders to ensure its effective implementation.



- ✚ UOG has adopted the HEC policy for Persons with Disabilities:

https://uog.edu.pk/downloads/HEC_POLICY_FOR_STUDENTS_WITH_DISABILITIES_AT_HEIs_IN_PAKISTAN.pdf

- ✚ Ramps are constructed at entrance of each building/block for facilitation of disable people (students/staff).
- ✚ Accessible toilet for disabled people
- ✚ Daycare facility is available at this University for facilitation of working mothers.
- ✚ Trainings organized for visually impaired



students.



- ✚ Girl student athletes taking part in the final rounds of the UoG Quaid-e-Azam Sports Gala





11 SUSTAINABLE CITIES AND COMMUNITIES

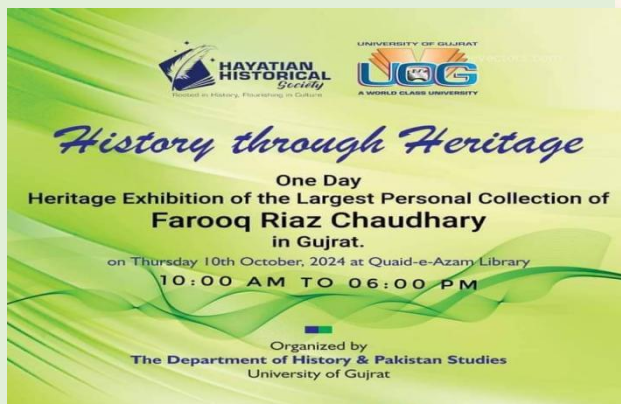




SDG 11: SUSTAINABLE CITIES & COMMUNITIES

This goal is the vital sustainable development goal set by the United Nations. It aims to enhance the cities and make them sustainable. Comprehensive research has been conducted on green materials, cement replacement materials, plastic waste as construction materials, net zero energy buildings, building simulations for energy conservation, green infrastructure developments, carbon footprint assessments etc.

1- Motorway Police Organized Road Safety Rules



Heritage" at Hafiz Hayat Campus, University of Gujrat.

4- Ramdan Calligraphy Competition organized by Hayatian Islamic Forum.



2- The Institute of Hospitality and Restaurant Management (IHRM) at the University of Gujrat (UoG) celebrated World Tourism Day with enthusiasm, highlighting Pakistan's rich tourism potential.

3- The Department of History & Pakistan Studies is organizing a one-day exhibition "History through



5- Congratulations to Qalamkar Creative Writing Forum for their outstanding achievement of securing 7 positions at Fanoos'24, organized by UET Lahore (KSK Campus).



6- Term Paper Display Showcases Academic Excellence at the University of Gujrat. The University of Gujrat (UoG) hosted a Term Paper Display event, bringing to light the academic rigor and creativity of the students.

7- The Hayatian Sociological Society (HSS) of the University of Gujrat's Department of Sociology



Computing Society (HCS), drawing immense participation and enthusiasm. With over 55 teams and 80+ tech-driven minds from Information Technology, Software Engineering, and Computer Science.

9- The Software Engineering department, held Final Year Project Exhibition today, featured over 50 innovative projects developed by graduating students.



organized) organized a field work/poster presentation today (December 12, 2024) at the Exhibition Hall (First Floor) of Quaid-e-Azam Library as a part of the field work activities in Fall-2024 semester.

8- The Speed Programming Competition 2025, featuring Algo Arena and Syntax Storm, was successfully organized by the Hayatian



10- 1st INDUSTRIAL EXPO AT UOG: Vice Chancellor Prof Dr Zahoor-ul-Haq inaugurated the first Industrial Exhibition at Hafiz Hayat Campus.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION





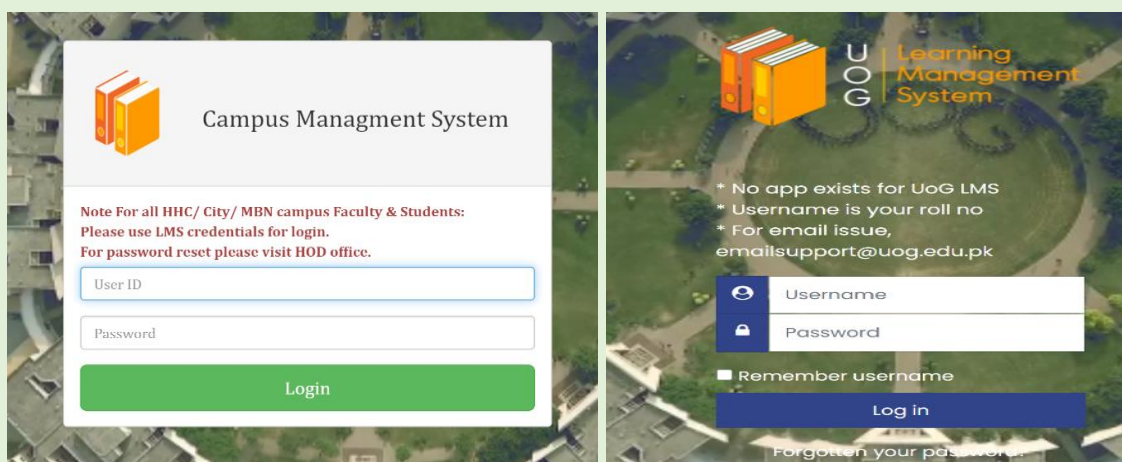
SDG 12: RESPONSIBLE CONSUMPTION & PRODUCTION

The purpose is to encourage efficient utilization of resources through sustainable practices. UOG is taking vital measures to encourage youth to contribute to the circular economy in Pakistan. A circular economy maintains a balance between input and output to maximize the efficient use of resources.

In line with its commitment to sustainability and digital transformation, the University of Gujrat (UOG) has introduced an Online Requisition System for Inventory and Supplies. This initiative aims to reduce paper consumption, improve operational efficiency, and support environmentally responsible practices within the University's administrative framework. UOG IT supports paperless system to reduce paper in daily workplace. It can reduce a lot of paper use that mean UOG can reduce CO2 emissions and save the world.

Program to Reduce the Use of Paper and Plastic in Campus

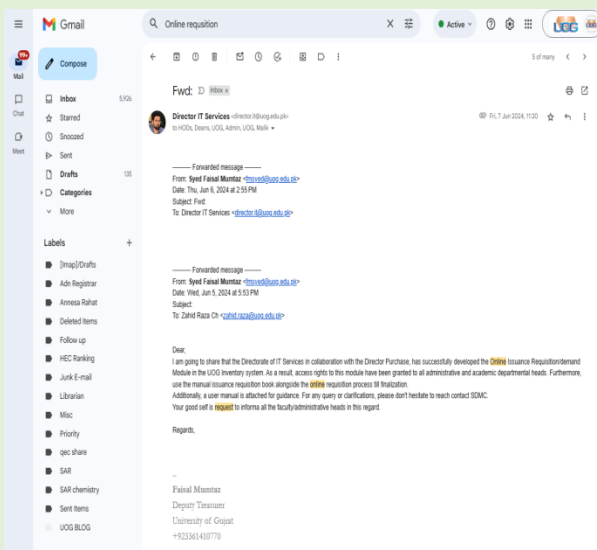
- ✚ UOG IT services supports paperless system to reduce paper in daily workplace. It can reduce a lot of paper use that mean UOG can reduce CO2 emissions and save the world.



- ✚ UoG It services introduced the online store inventory system to save the papers
- ✚ Solutions of reusable paper in back office, e.g. using 2-side of paper, always recheck your data before print, use online system instead of hard copy.
- ✚ UOG has a policy of "Reduce Reuse plastic bag in the last 3 years. We can reduce around 2.5 million bags per year or reduce 90% of plastic waste in university".
- ✚ "UOG Reduce & Reuse Plastic Bag" project is consistent with the campaign's key points of United Nations Environment Program (UNEP) this year focused its campaign on "Waste Plastic Pollution" (Beat Plastic Pollution) is the same direction around the world as "if you cannot reuse it, refuse it".



- ✚ UOG runs numerous student organizations i.e. UOG Green Society etc. that promote paperless environment, campus clean drive, say no to plastic bags etc.
- ✚ UOG has a state of the art database, software house, that is digitalizing processes and access to data to reduce paper use.
- ✚ UOG has an email domain and each student and faculty member has a separate email address for electronic correspondence to reduce paper use.
- ✚ UOG uses online mode for assignment submission etc. to reduce paper use.
- ✚ Responsible Art, Upcycle-Recycle workshops conducted and arranged in the Fine Arts Department FADFA.
- ✚ Sustainable techniques of Printmaking without using harmful chemicals and less waste for artistic process. No payment from GYM club was given due to an inactive account
- ✚ In line with its commitment to sustainability and digital transformation, the University of Gujrat (UOG) has introduced an Online Requisition System for Inventory and Supplies. This initiative aims to reduce paper consumption, improve operational efficiency, and support environmentally responsible practices within the University's administrative framework
- ✚ UOG has a policy of “Reduce Reuse and Recycle plastic material. We can reduce around 2.5 million plastic bags per year or reduce 90% of plastic waste in university.
- ✚ Program to Reduce the Use of Paper and Plastic in Campus:





- ✚ Students collect the plastic material to Reduce Reuse and Recycle for University Waste
- ✚ The University of Gujrat has made significant progress in managing and treating organic waste through sustainable practices. Department of Environmental Sciences successfully worked on the project of creating the Compost making apparatus. Making and testing an Indigenous Organic Landfill Covers on Solid Waste to prevent greenhouse gas emissions. The composting and mulching initiatives will be started soon in UOG as the units are in under process.
- ✚ At UOG structures that produce organic waste are canteens and cafés, which manage in complete autonomy this kind of waste. UOG has reused approximately 90 to 95% of organic waste through District Waste Management Company. The private vendor collects the organic waste and it delivers them at an authorized dumping points allocated by district government.

1- Ms. Renate Wolfer, a Master's student from the University of Kassel, Germany, was awarded a Certificate of Appreciation and an honorary shield by the Worthy Vice Chancellor University of Gujrat, Professor Dr. Zahoor ul Haq (T-I) in recognition of her successful completion of a four-week field camp in District Bhimber.

The camp, organized by Professor Dr. Abdul Majid, Chairperson of the Department of Physics, provided Ms. Wolfer the opportunity to apply GPS/GIS tools for orchard mapping, collect soil and plant data, and engage with local growers to gain insights into real-world production challenges.



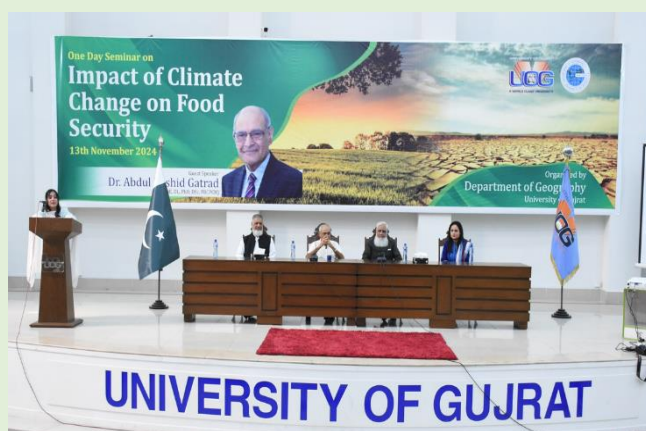


2- Seminar "Accelerating Industrial Decarbonization and De-risking CO₂ Capture Technologies" organized by the Advanced Studies & Research Board (ASRB), UoG.

3- Seminar on "Impact of Climate Change on Food Security", organized by the Department of Geography.

4- An international symposium on Nano biotechnology and Nano pharmaceuticals was organized by the Department of Biochemistry & Biotechnology at Hafiz Hayat Campus.

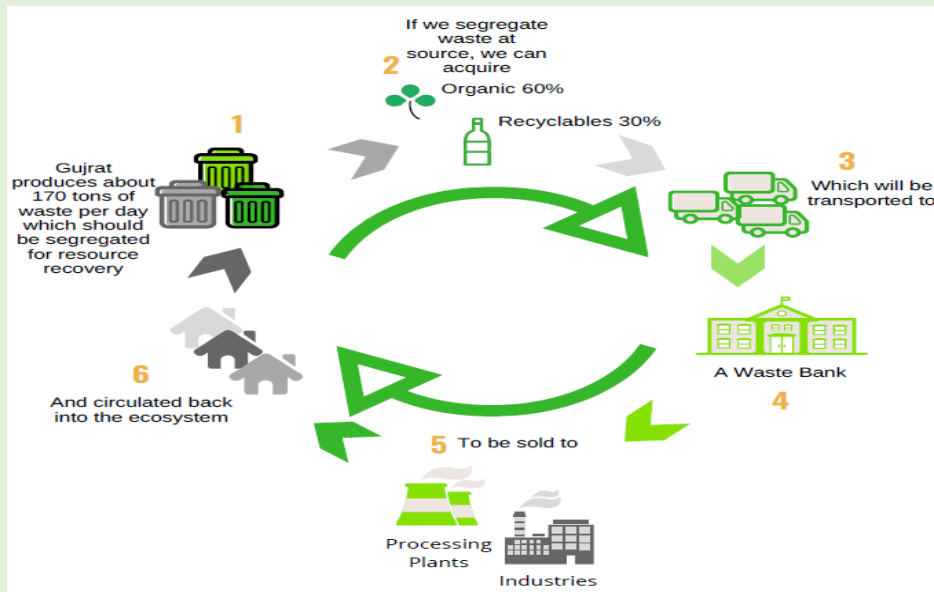
5- The Department of Chemistry organized the opening ceremony for their scientific working models and poster presentation event at Hafiz Hayat Campus





WASTE BANK PROJECT

Waste Bank is a 360° solid waste management solution that encourages segregation at source (household) level. As a result, the quality of useful waste fractions is maintained for efficient recovery. The idea behind is to make waste as valuable as money so that it is handled with care. This sorted waste is then sold out to the industries that use it as raw material and make useful products out of it. In this way waste is not only managed but circulated back into the ecosystem reducing the need to harvest fresh



resources, reducing landfill content and also boosting small and medium businesses. However, to design such a well-developed waste management system accurately, there is a need to quantify and characterize the generated waste in targeted city. Authentic and reliable research is under progress for Gujrat city where as the idea is being tested on pilot scale in the Business Incubation Center of University of Gujrat. Director Sustainability, University of Gujrat, Dr Zaki-ul-Zaman Asam is the founder of this initiative with a team of students from different UOG departments.



13 CLIMATE ACTION





SDG 13: CLIMATE ACTION

This SDGs vision is to integrate measures of climate change into national planning and strategies to boost resilience. Since Pakistan is a developing country and its general public lacks basic information and Education about Environment Protection its impact on the Climate and adverse effects of Climate Change on our daily lives and economy. Understanding the importance of the topic University of Gujrat started the Department of Environmental Sciences. Purpose of establishing this department was to not only create awareness in this field but also generate valuable human resource capable of serving in this field with up to date practical knowledge. This department started BS Environmental Sciences–Four Year Degree Programs in 2009, M. Phil in 2013 and finally PhD in 2016. Currently Department ES also started specialization in Climate change & Sustainability.

Environmental Control System

The UOG data center has deployed a complete environmental control system to protect its resources. Five different types of sensors are being used that is, smoke detectors, break sensors, temperature sensors, water sensors, humidity sensors. A Weather Observation Station /Meteorological Observatory / Met Office have started working at University of Gujrat Hafiz Hayat Campus.

Activities:

1- Cleanliness drive at UOG





2- World Forest Day Walk & Tree Plantation Campaign at UoG



3- One-day training on “Driving & Stress management for the drivers of UOG transport



Seminar on "Impact of Climate Change on Food Security" organized by the Department of Geography.



4- Awareness Seminar on SMOG: Department of Economics, University of Gujrat, organized an awareness seminar session for its students.

5- UOG has designed its climate action plan and a dashboard was established to monitor the activities accordingly.
(<https://uog.edu.pk/climate-action-plan>)

6- Sustainability community services project organized and/or involving students:



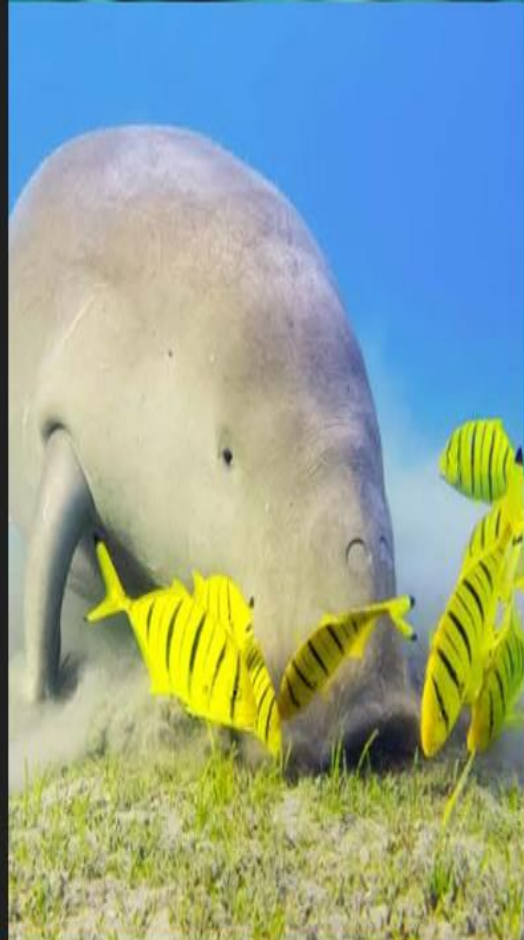
Sr. No	Project name	Project area
1	Fashionuex	Setting & Infrastructure
2	GearShare	Transport
3	Content Creation Service	Education & Research
4	Sodium metal production	Waste
5	Karigar	Transport
6	PlayCademy	Education & Research
7	TouristGuide+Seepak	Setting & Infrastructure
8	Kimchi kitchen	Waste
9	Eco mucilage packaging	Biodegradable Packaging
10	Yogurt fermentation chamber	Energy Efficiency/Food Security
11	Smart Fit System	Setting & Infrastructure
12	Autonomous mobile rice sowing robot	Transport
13	EcoFlo	Water
14	Eco-Clean	Water
15	Cobblers workstation	Setting & Infrastructure
16	Phys Play	Education & Research
17	Biodegradable cutlery products	Waste
18	Foot Craft	Waste



19	Cooling Face Wash + Alovera Face Wash	Waste
20	LS Lab Works	Setting & Infrastructure
21	Aloe glowzza herbal serum	Waste
22	Pharma Home	Setting & Infrastructure
23	BodiFuel+Crunchy Bites+Flavored Nuts	Waste
24	TechNova	Setting & Infrastructure
25	Pragsafe+Smart Pregnancy	Setting & Infrastructure
26	AutoAid	Setting & Infrastructure
27	Seeds for seedless watermelon	Waste
28	Sip and Savor	Waste
29	ANXR	Energy and Climate Change
30	Resin Art	Waste
31	Fashionuex	Setting & Infrastructure
32	GearShare	Transport
33	Content Creation Service	Education & Research
34	Investigation of leachate transportation and Greenhouse Gases (GHGs) emission from open waste dumping	Transport, Waste & Climate Change



14 LIFE BELOW WATER





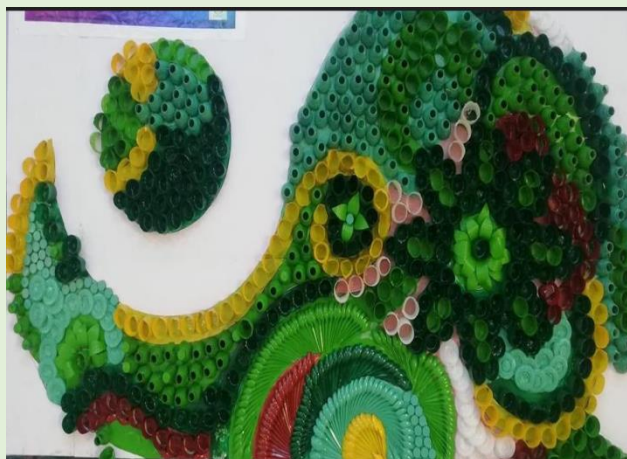
SDG 14: LIFE BELOW WATER

The University of Gujrat (UOG) is committed to promoting the sustainable use and conservation of aquatic ecosystems through education, research, and responsible campus management practices. Although UOG is not a coastal university, it contributes to Life Below Water by focusing on water quality, pollution control, and awareness of aquatic biodiversity.

- ✚ Faculty and students conduct research on water pollution control, wastewater treatment, and aquatic ecosystem preservation.
- ✚ Projects emphasize reducing chemical discharge and micro plastic waste that could harm local water streams.
- ✚ UOG's Sewerage Disposal Policy includes primary treatment of wastewater before disposal to minimize environmental contamination.



- ✚ The university promotes “Say No to Plastic” initiatives to reduce single-use plastics that could end up in waterways.
- ✚ Replacement with reusable bottles and eco-friendly materials is encouraged across campus.





- ✚ Courses and seminars in Environmental Science, Botany, Zoology and Chemistry raise awareness of marine and freshwater conservation issues.
- ✚ UOG engages local communities in clean water campaigns and promotes sustainable water use practices to reduce pollution in nearby streams and canals.
- ✚ The students of the Department of Geography visited Crop Science Institute (CSI) and Climate, Energy, and Water Research Institute (CEWRI) at NARC Islamabad.





15 LIFE ON LAND





SDG 15: LIFE ON LAND

The University of Gujrat (UOG) is deeply committed to the conservation and sustainable management of terrestrial ecosystems. The University promotes biodiversity, green infrastructure, and eco-friendly practices across its campus and surrounding areas. In the campus, there is plantation nursery and different plantation drives used to conduct in the campus. For the animals, animal farms managed by the departments individually.

- ✚ UOG maintains a green and eco-friendly campus with extensive tree plantations, lawns, and gardens that support local biodiversity.

- ✚ Regular tree plantation drives are organized by students and faculty to promote afforestation and reduce carbon footprints.



- ✚ Departments of Botany, Environmental Sciences, and Chemistry conduct research on soil health, native plant species, and ecosystem conservation.

https://uog.edu.pk/downloads/qec/Dedicated_Labs_for_ISR.pdf

- ✚ Student research projects focus on urban forestry, waste reduction, and sustainable land use practices. <https://uog.edu.pk/en/isr/amongst-various-disciplines>
- ✚ Implementation of a solid waste management system to minimize land pollution and promote recycling.
- ✚ Organic waste from campus lawns and cafeterias is reused as compost for maintaining green spaces.
- ✚ Landscaping and irrigation practices are designed to prevent soil erosion and enhance water retention.
- ✚ Use of ICT-based monitoring systems helps in efficient maintenance of green areas.
- ✚ UOG regularly organizes awareness campaigns on tree planting, clean environment, and sustainable land management involving students, staff, and the local community.
- ✚ Collaboration with local government and NGOs for environmental restoration projects.
- ✚ Over 6,000 trees planted in and around the campus in the last three years.
- ✚ Improved air quality and soil health due to sustainable landscaping and waste recycling practices.
- ✚ Enhanced student and community awareness of biodiversity conservation and environmental responsibility.





16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS





SDG 16: PEACE, JUSTICE & STRONG INSTITUTIONS

The University of Gujrat (UOG) is strongly committed to fostering peace, justice, and strong institutions by promoting transparency, accountability, ethical governance, and inclusive decision-making across all levels of the university. Guided by SDG 16, UOG ensures that institutional policies and operations are fair, participatory, and aligned with national and international standards of good governance.

- ✚ The university has established a transparent governance and administrative framework based on rules, regulations, and participatory decision-making. Digital governance tools, such as the Online UOG Portal, are used for efficient record keeping, student services, and staff management.
- ✚ All academic and administrative decisions are guided by ethical principles ensuring fairness, equality, and inclusivity. UOG actively promotes non-discriminatory policies, gender equality, and respect in the workplace.(<https://uog.edu.pk/en/university/right-to-information>)
- ✚ The Directorate of Quality Enhancement Cell (QEC) monitors transparency and institutional performance through internal audits, surveys, and evaluation reports. Continuous feedback from students, faculty, and staff supports evidence-based decision-making.
- ✚ UOG organizes seminars, conferences, and workshops on topics related to peacebuilding, justice, human rights, and institutional integrity. Student societies and clubs promote civic responsibility and respect for diversity.
- ✚ Implementation of e-office systems, digital attendance, and LMS (Learning Management System) ensures process integrity and reduces administrative delays. ICT-based monitoring of surveys and reports by QEC enhances transparency and accountability.
- ✚ UOG use to arranged seminars and awareness walk for achieving this SDG-16.





1- International Seminar on "20 Years of Productive Collaborative Work in Pakistan - A Contribution to Peace & Development in a Contested Region" organized by the Department of Biochemistry & Biotechnology.

2- The Student Services Centre (SSC) at the University of Gujrat (UOG) organized a grand farewell ceremony titled the “Hafiz Hayat Awards” at the Quaid-e-Azam Auditorium to honor the outstanding



literary, social, welfare, cultural and intellectual contributions of various student societies.

3- UOG hosts workshop on beggary prevention and Awareness Walk on Anti-Beggary was organized by the Department of Sociology at Hafiz Hayat Campus, University of Gujrat.

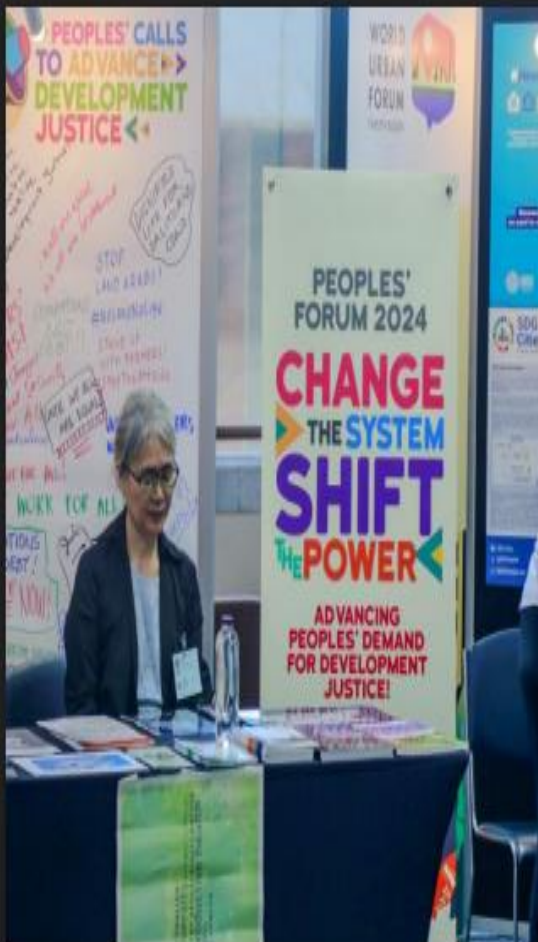
Training workshop conducted on Program Review for Effectiveness and Enhancement (PREE)

Through digital governance, ethical leadership, and participatory management, the University of Gujrat is strengthening institutional integrity and ensuring that justice, fairness, and transparency are central to all





its operations. These efforts directly contribute to SDG 16: Peace, Justice, and Strong Institutions, while also supporting SDG 4 (Quality Education) and SDG 17 (Partnerships for the Goals)



17 PARTNERSHIPS FOR THE GOALS





SDG 17: PARTNERSHIPS FOR THE GOALS

The University of Gujrat (UOG) strongly upholds the spirit of collaboration and partnership as outlined in Sustainable Development Goal 17 – Partnerships for the Goals. UOG recognizes that meaningful progress toward sustainability can only be achieved through collective action, collaboration, and knowledge sharing with national and international partners.

- ✚ UOG has developed strong linkages with national universities, research institutions, and international organizations to promote collaborative teaching, research, and innovation.

1- Vice Chancellor Prof. Dr Zahoor Ul Haq and Chinese Consul-General Zhao Shiren signing the MoU at Hafiz Hayat Campus.

2- The University of Gujrat (UoG) and the Instituto de Física de São Carlos, Universidade de São Paulo (USP), Brazil, have signed a Memorandum of Understanding (MoU) to foster academic and research cooperation between the two institutions.



3- The Gujrat Chamber of Commerce and Industry Invited Worthy Vice Chancellor of the University of Gujrat, Prof. Dr. Zahoor ul Haq (TI), for a significant MoU signing ceremony between UOG and GCCI.

4- MoU is signed between University of Gujrat and Gujranwala Institute of Nuclear Medicine (GINUM).

- ✚ Faculty and students actively participate in joint research projects, conferences, and exchange programs addressing global challenges such as energy, environment, and sustainable development.
https://uog.edu.pk/downloads/qec/Interdisciplinary_Research_Data_UOG_v2_.pdf
- ✚ The Directorate of Sustainability (QEC) engages in partnerships with government bodies, NGOs, and industry partners to implement sustainability programs in areas such as waste management, renewable energy, and environmental protection.



- ✦ UOG works closely with local authorities to promote community awareness and sustainable practices.
- ✦ The university organizes events like the International Conference on Energy, Power, Environment, Control, and Computing (ICEPECC), bringing together global experts to share innovative solutions for sustainable growth. <https://uog.edu.pk/downloads/2025/ProgramFinalICEPECC20250.pdf>
- ✦ Active participation in regional and global higher education networks to advance SDG-oriented initiatives.
- ✦ UOG conducts training sessions, seminars, and workshops for students and professionals on topics aligned with the SDGs.
- ✦ Collaborative projects with local communities promote social responsibility and skill development.
- ✦ The university uses Information and Communication Technology (ICT) for coordination, reporting, and data sharing related to sustainability monitoring and SDG progress.
- ✦ Digital platforms facilitate internal and external collaboration for data-driven decision-making.

Through national and international collaborations, UOG fosters a culture of shared learning, innovation, and sustainable progress. These partnerships strengthen institutional capacity, expand research impact, and align the university's vision with the United Nations Sustainable Development Goals.

