

# **SUSTAINABILITY REPORT 2023**



Annual Sustainability Report 2023-24 was designed and prepared by the following members of the Sustainability Team of University of Gujrat

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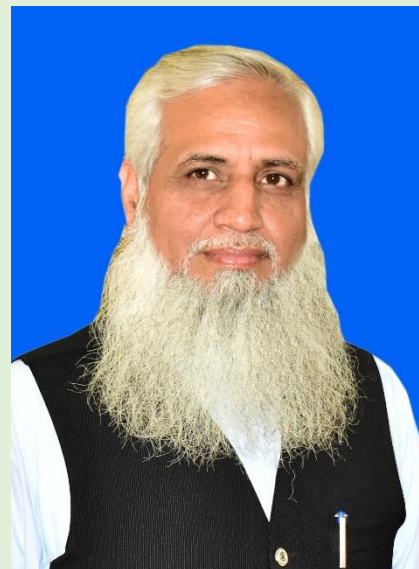
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## Vice Chancellor's Message

Dear Members of the UOG Community,  
Welcome to the University of Gujrat (UOG) - Empowering  
Minds, Transforming Futures!

With a mission to produce competent human resources equipped with an entrepreneurial outlook, we strive to prepare our graduates to face the challenges of the dynamic global landscape. Our commitment is to provide a conducive environment and state-of-the-art platforms that help cultivate creativity, critical thinking, and problem-solving. Our vision is bold - to contribute to the development of a knowledge economy, human capital, and vibrant communities through modern teaching and research facilities. We are strong advocates for implementing indigenous solutions to address local issues, enabling our students to emerge as future leaders and contributing positively to the society.



As Vice Chancellor of this esteemed institution, it's a great achievement that UOG ranked 704th World Most Sustainable University in 2023 UI GreenMetric World University Rankings, I believe our university will excel in forthcoming bulletins. In today's world, sustainability is not just a choice; it is an imperative need of the society. As an educational institution, we have a unique opportunity and a profound responsibility to lead by example, shaping the minds and actions of future leaders. Our commitment to sustainability reflects our understanding of the interconnectedness of global challenges, such as climate change, resource scarcity, and social inequality. Through our actions, we aim to inspire and prepare our students to be agents of positive change in the world.

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. Muhammad Mushahid Anwar**

Vice Chancellor | University of Gujrat (UOG)



## Director's Message

Dear Members of the University Community,

It is with immense pride and profound sense of collective achievement that I present our second annual UOG Sustainability Report. This document reflects our commitment to sustainability and the significant strides we have made as an institution dedicated to this crucial cause. Sustainability is not a mere concept within the walls of our university; it is an integral part of our identity and purpose. Presently, whole world is facing unprecedented environmental and social challenges, we understand that universities play a pivotal role in fostering knowledge, innovation, and action.



This year's report not only showcases our milestones and achievements but also outlines the path we are charting for our ongoing sustainability journey. It is a testament to the hard work and commitment of our students, faculty, staff, and administration, all of whom 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 society and the environment.

Our approach to sustainability is dynamic, evolving alongside the challenges and opportunities we encounter. As we navigate these complexities, we remain committed, innovative, and resolute in our efforts. This report serves as both a reflection of our progress and a strategic roadmap for our future initiatives. Our achievements are a collective effort, with each member of the university community - students, faculty, staff, and administrators - playing an essential role in reaching our sustainability goals. Your passion, dedication, and innovative thinking are the driving forces behind our success.

I invite you to explore the report, delve into the details, and engage with us in this collective endeavor. Together, we can inspire change, set a positive example, and equip our students to become the sustainability leaders of tomorrow. Our commitment transcends mere statistics; it is about cultivating a culture of responsible action and stewardship that extends beyond our campus.

Thank you for your unwavering support in making our university a true hub for sustainability and a beacon of hope for a more sustainable future.

With gratitude and optimism,

**Dr. Tahir Iqbal Awan**

Director Sustainability, University of Gujrat





## About This Report

We are pleased to introduce the University Sustainability Annual Report 2023, a comprehensive document that provides an in-depth look at our university's commitment to sustainability and its progress in this critical area. This report serves as a transparent and informative account of our sustainability efforts over the past year. Our aim is to provide a comprehensive overview of the diverse aspects and activities that contribute to achieve the Sustainable Development Goals in the UOG.

To present this report, we have structured its content into following themes: University introduction, Sustainability Events, Last year UI GreenMetric World University Ranking performance overview and Way forward. Throughout the document, we have also emphasized on how these initiatives align with the United Nations' Sustainable Development Goals (SDGs). The SDGs constitute a set of 17 global objectives aimed at safeguarding the planet, eradicating poverty, and promoting prosperity of all individuals and communities.

Our intention for this sustainability report is to effectively convey our message of sustainability to various stakeholders, including students, staff, visitors, policymakers, and others. We extend our heartfelt gratitude to the concerned departments, higher management, and all those who contributed to sustainability initiatives in 2023. We sincerely hope that each one of you will continue to support our endeavors as we strive to build an increasingly sustainable university in the years to come.





## **Introduction of the University of Gujrat**

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. The UOG is committed to cultivating skills groomed to excellence, advancing science and technology, striving for social and economic development and promoting the knowledge culture. It caters for the national and regional needs, and is considered a citadel of knowledge, learning, innovation and a pool of creative talents.

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. The university has established a number of research centers. It believes in sharing research benefits in real time with the community.

Since taking the charge of this esteemed institution, Prof. Dr. Muhammad Mushahid Anwar is showing great commitment both for the development of sound research and teaching environment in aligned with UNO 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 helped a great deal.

The University of Gujrat has six faculties and 38 academic departments. It offers more than 100 programs at Associate Degrees, BS, Masters, MPhil and PhD levels. There are more than 174 PhDs among a total of about 590 faculty members. As many as 416 MPhils are collaborating with the national and international organizations.

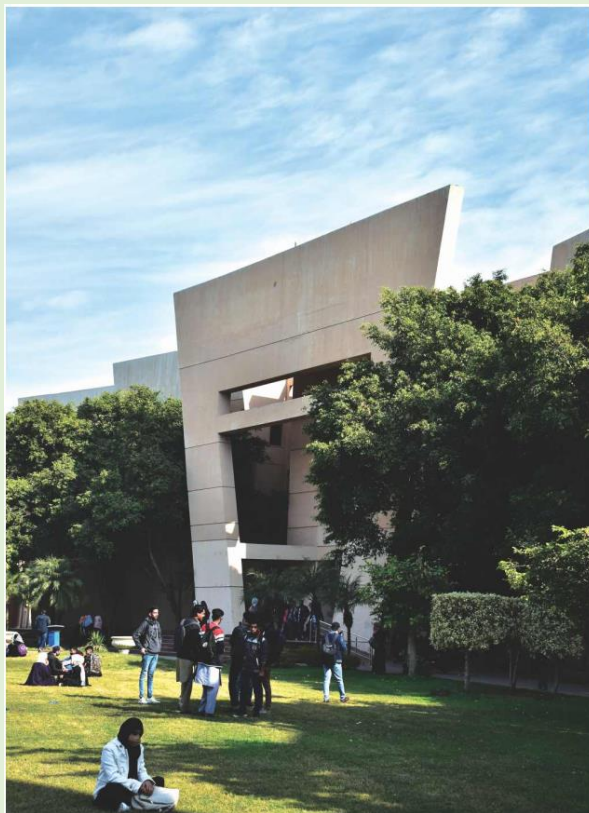
There are also students registered as private candidates to whom the UOG awards degrees after annual examinations. Strategically located, it is providing education not only to rural localities of Gujrat but also to the people of surrounding districts of Golden Tri angle encompassing Sialkot, Gujranwala 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.

The University of Gujrat has made great strides in its journey of progress under the visionary leadership of its current Vice Chancellor, Prof. Dr. Muhammad Mushahid Anwar.



In the university of Gujrat, there are different courses related to SDGs like “Introduction to Environmental Sciences” course is the 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 where we offer Bachelor’s and 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.







## UOG Sustainable Forums

### UOG Green Society

UOG Green Society is the prime forum of SDGs working closely with UOG student services center. This society is based in the department of Environmental Sciences and being Coordinated by Dr. Ayesha Siddiqua. Activities like, plantation drives, awareness walk and seminars routinely conduct and mentioned in this report accordingly.

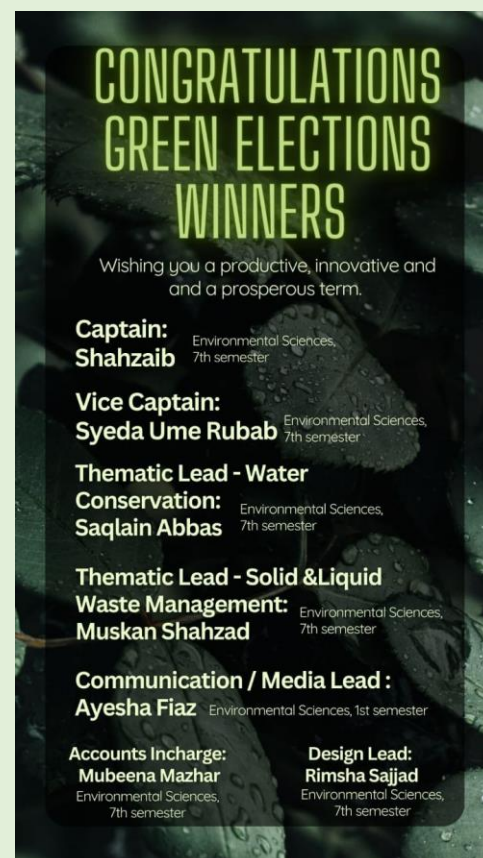


### Green Youth Movement Club, UoG.

Green Youth Movement (GYM) under Prime Minister's Youth Program for "Green and Clean, Pakistan was established to conduct different activities aligned with national SDGs. First Gym Club hierarchy was advertised on 22 March 2022. The oversight committee constituted by worthy Vice Chancellor, selected the GYM Club Management Council on the basis of interest and field of expertise.

The Club Council comprises of young students from different departments of university for collective efforts. The Club Oversight Committee Chaired by \*Director Students Affairs\* (Focal Person for HEC on KJ GYM) along advisory members, Dr. Zaki ul Zaman Asam & Ms. Ayesha Kamal Bhatti. The Management Council of GYM Club comprises of Captain | \*Shahzaib\* & Vice Captain | \*Syeda Ume Rabab\*. The club

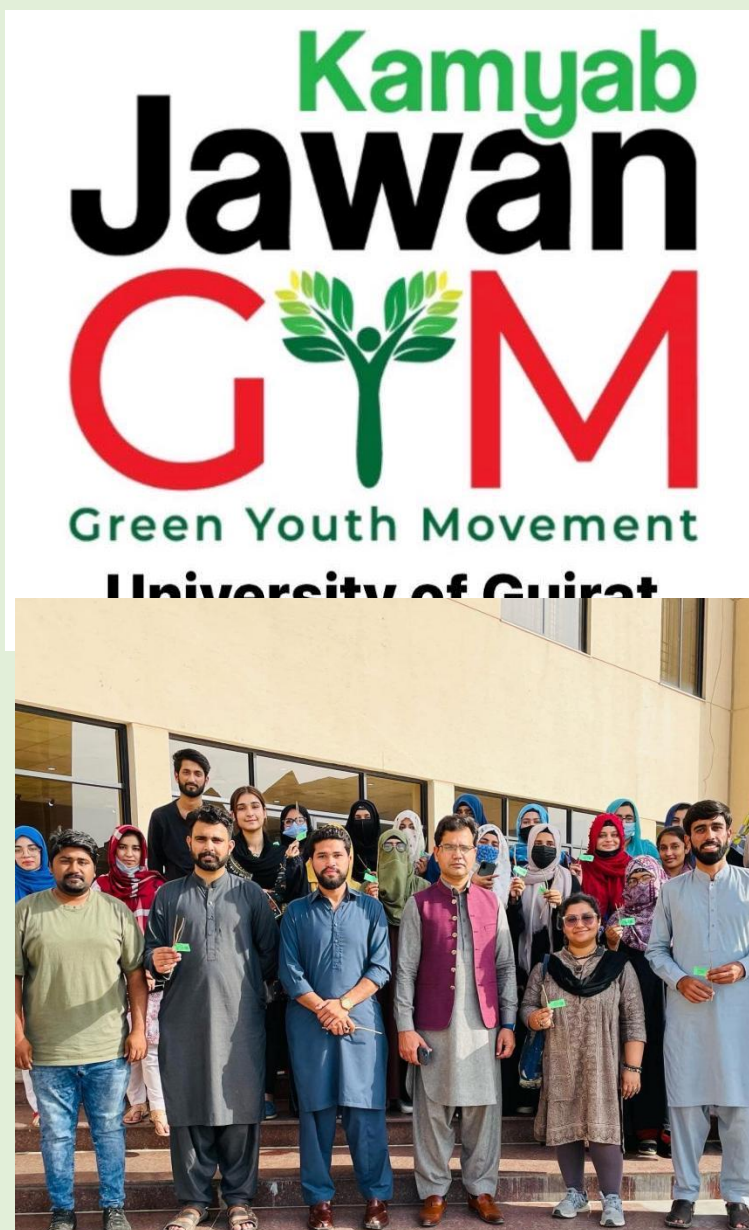
will further make teams for different roles among the current members as of their area of expertise which will include Finance Team, Management Team, Design team, will be announced by the Oversight Committee.



First Orientation Ceremony of Kamyab Jawan GYM Club to Students. 30 March 2022. Orientation session was held in the Library Hall at the Quaid e Azam Library UOG Hafiz Hayat Campus. All participants were



given a tree sapling with a welcome note and a QR code teaching them how to care for their tree. All members were also asked to name their plant and share pictures in the WhatsApp group.





## Commitment to UN Sustainable Development Goals (SDGs)



## Community Services





**SDG 1: No poverty** is the first sustainable development goal defined by the United Nations. It focuses on eradicating poverty and bringing prosperity to society. The University of Gujrat has contributed tremendously to achieving this goal. The Poverty Research Centre at the University of Gujrat is a newly established initiative 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 aligned with the United Nations' Sustainable Development Goals (SDGs), particularly Goal 1: End poverty in all its forms everywhere by 2030.

**SDG 2: Zero hunger** is the second sustainable development goal defined by the United Nations. This goal serves the purpose of seeking sustainable solutions to wipe out hunger and achieve food security. Students of UOG have completed their research projects to significantly contribute in this cause and eradicate hunger from the society.

**SDG 3: Good health and wellbeing** 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.

### 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.







## Medical Facilities Available at NSMC

The government of Punjab took a historic step to revolutionize the health care facilities in Gujrat by establishing the Nawaz Sharif Medical College (NSMC) at the University of Gujrat. The approved project titled “Establishment of NSMC at the UOG and Aziz Bhatti Shaheed Hospital (DHQ) as a Teaching Hospital” cost Rs1974.246 million, out of which Rs1630.360 million has already been utilized. Now, more than 90% of the work has been completed.

Currently, more than 400 students are studying in the MBBS program. Seven (07) Basic Medical Sciences Departments and Sixteen (16) Clinical Sciences Departments are operational in the medical college. The Pakistan Medical & Dental Council awarded FCPS training for MBBS doctors in various clinical departments.



## 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.





**SDG 4: Quality Education** is the fourth key sustainable development goal identified by the UN. The Quality Enhancement Cell (QEC) was 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

The QEC 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. The 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.

## Impact of Quality Assurance

The quality assurance practices and procedures adapted by the QEC at the UOG secured remarkable success last year. The QEC was placed in "X" category of the QECs. This has been achieved by vigorous efforts made by the cell to monitor, evaluate and report the performance to the higher education stakeholders to develop and strengthen quality culture at the UOG.



گجرات: جامعہ گجرات کے QECAC کے زیر اہتمام اساتذہ کے لیے تربیتی ورکشاپ سے وائس چانسلر پروفیسر ڈاکٹر محمد مشاہد انور، ڈائریکٹر QEC ڈاکٹر فیاض احمد، ڈپٹی ڈائریکٹر ڈاکٹر مقدس جاوید دیگر خطاب کرتے ہوئے۔



**SDG 5: 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, colour, 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.

**SDG 6: Clean Water & Sanitation** is the sixth key sustainable development goal set by the United Nations. The purpose is to ensure safe drinking water to all communities through investing in hygiene and sanitation facilities that will restore aqua ecosystems. 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.





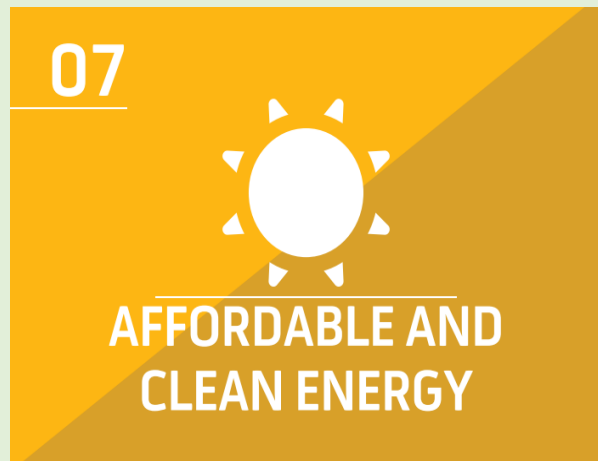


**SDG 7: Affordable and Clean Energy** is the seventh SDGs defined by the United Nations to invest in renewable energy and ensure global access to reliable and affordable energy services.

The University of Gujrat has approved the Solarization scheme of the main campus in the first phase and installed partially for the below-mentioned schemes;

1. Provision, installation, and commissioning of Solarization at VC Office Block, UOG
2. Provision, installation, and commissioning of Solarization at Admin Block, UOG
3. Provision, installation, and commissioning of Solarization at R Block, UOG

The above-mentioned scheme will reduce the dependence of UOG on electricity in order to reduce the carbon footprint.





**SDG 8: Decent Work & Economic Growth** is the eighth sustainable development goal identified by the United Nations that aims to promote productive employment, sustainable economic growth and decent work for all. Human Resource Development Center (HRDC), University of Gujrat with the aim to enhance the professional development and effectiveness of faculty and staff within the university. It serves as a central hub for various programs and initiatives focused on human resource development. Routinely training sessions for the staff and faculty conducted in order to achieve this SDGs. Human Resource Development Center, University of Gujrat has organized many trainings session on Professional Excellence.







## **SDG 9: Industry, Innovation and Infrastructure**

is the ninth SDGs specified by the United Nations. The aim is to encourage research and innovation and technology development in developing countries. 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 (MoST). Industry, innovation, and infrastructure are key drivers of economic growth and competitiveness. The aim is to encourage research and innovation and technology development in developing countries. Below mentioned are some of the projects details under this SDGs.

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

### **Project Terra Sustain**

The work on the Project Terra Sustain begins in March 2023. The students of ceramic Design Department SADA (now, FADFA) worked on the terra cotta crockery for single/multiple use with the intention of replacing single use plastic and thermophore food packaging and serving plates and cups. So far 100 pieces of plates and 600 cups were made to bisque dry condition. This project was halted due to the gas load shedding and non-availability of funds to arrange for LPG, since the GYM account still had not been activated.

09



**INDUSTRY, INNOVATION  
AND INFRASTRUCTURE**



Responsible Art, Upcycle-Recycle workshop conducted in collaboration with Studio Hassnain was arranged in the Fine Arts Department FADFA from 31<sup>st</sup> May -2June 2023 teaching. 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.





**SDG 10: Reduced Inequalities** is the tenth SDGs defined by the UN to bring transformative change. 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. University also conduct seminars for raising awareness under SDGs-10.



**SDG 11: Sustainable cities & Communities** is the eleventh 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.

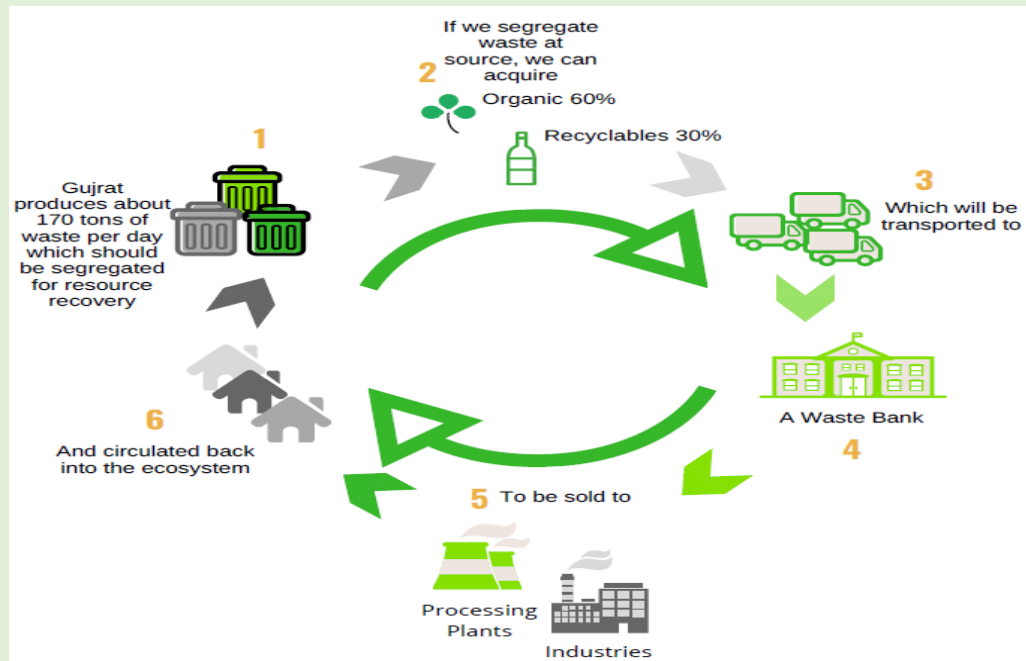




**SDG 12: Responsible Consumption & Production** is the twelve important SDGs specified by the United Nations. The purpose is to encourage efficient utilization of resources through sustainable practices. UOG is taking vital measures to encourage youth to contribute to the circular economy in Pakistan. A circular economy maintains a balance between input and output to maximize the efficient use of resources.

### **Waste Bank Project: A Project of University of Gujrat**

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 are 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. Dr Zaki-ul-Zaman Asam is the founder of this initiative with a team of students from different UOG departments.





**SDG 13: Climate Action** is the thirteen key sustainable development goals defined by the United Nations. This SDGs vision is to integrate measures of climate change into national planning and strategies to boost resilience.

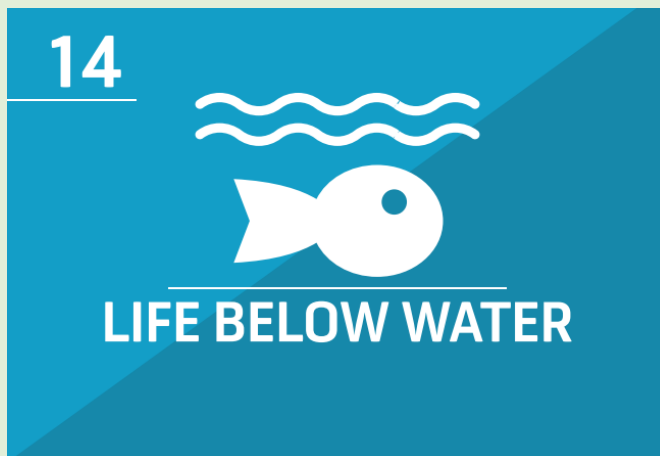
UOG has designed its climate action plan and a dashboard was established to monitor the activities accordingly.  
(<https://uog.edu.pk/climate-action-plan>)







**SDG 14: Life Below Water** is the fourteenth SDGs set by the United Nations to restore and protect ecosystems. Faculty in the UOG encouraged to conduct research about the life below water especially fish toxicology. It's the practices by the Office of Research Innovation and commercialization to support collaboration and initiative in this SDGs.



**SDG 15: Life on Land** is the fifteenth sustainable development goal defined by the UN to promote sustainable forests management and stop biodiversity loss. 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.





**SDG 16: Peace, Justice & Strong Institutions** is the sixteen sustainable development goal specified by the United Nations. This SDG seeks to promote inclusive and serene societies to overcome conflict and bring justice. SDG 16 is targeted towards peaceful and inclusive societies based on respect for human rights, protection of the most vulnerable, the rule of law, and good governance at all levels. It envisions transparent, effective, and accountable institutions, that promote nondiscriminatory laws and policies, combat corruption, bribery and organized crime, and prevent violence, terrorism, and crime. UOG use to arranged seminars and awareness walk for achieving this SDG-16.



**SDG 17:** The seventeenth and the last SDGs are **Partnerships for the Goals** that aim to strengthen equitable trade and revitalize the global partnership to promote sustainable development.



## Waste Management Policy

University of Gujrat is dedicated to responsible waste management practices to minimize environmental impact, promote sustainability, and ensure a clean and safe campus environment. University is committed to making sustainable environmental practices through effective resource management.

Solid waste plays a key role as a lot of waste ends up in the oceans and landfills which is causing problems for everyone by creating greenhouse gases (GHG) and increasing carbon emissions. UOG is engaged in using multiple social media platforms such as Twitter, Instagram, and Facebook to create awareness not only among people on campus but also among individuals of the community for making the environment clean and green. By involving green societies and club's university routinely conduct clean up campaigns



and availability of segregated bins are insured in the campus. UOG aims to reduce waste, minimize environmental impact and foster a culture of responsible waste management within campus community.

#GREENHAYATIAN

**5 THINGS TO DO FROM TODAY**

**1. CARRY YOUR TRASH**  
till it meets a bin bag!

**3. BOYCOTT PAPER AND PLASTIC**  
unless you use it efficiently!

**2. BUY PLASTIC BOTTLES**  
only if you are recycling them!

**4. USE A LOT OF WATER**  
only if it is for drinking!

**5. USE YOUR PEN NOWHERE**  
but on a paper!

★ ★ ★

**HOW TO SORT YOUR WASTE**



**ORGANIC**

Food items, tea bags, egg shells, garden waste etc



**RECYCLABLES**

Plastic, cans, metal, glass, bottles, cardboard, paper, tetra pak etc



**TRASH**

Dust, wrappers, etc

[wastebankpakistan.wordpress.com](http://wastebankpakistan.wordpress.com)

[wastebankpakistan@gmail.com](mailto:wastebankpakistan@gmail.com)



# #GREEN HAYATIAN

UNIVERSITY OF GUJRAT  
WASTE MANAGEMENT  
WASTE BANK

Your sorted waste can be used by...

Trash

Recyclables

Biodegradable organic

Landfill (now minus organic and recyclables)

Recycling industries

Processing Plants

Fuel

Electricity

Paper

Construction Material

Furniture

**To make!**

wastebankpakistan.wordpress.com

wastebankpakistan@gmail.com

# #GREEN HAYATIAN

UNIVERSITY OF GUJRAT  
WASTE MANAGEMENT  
WASTE BANK

Want to make your campus clean and green? Here's what YOU can do...

Solid Waste

Biodegradable organic

Recyclables

Trash

Sort your waste into three categories before throwing away

*But why?*

wastebankpakistan.wordpress.com

wastebankpakistan@gmail.com





## اپنے کوڑے کو کیسے علیحدہ کریں

### دوبارہ استعمال ہونے والا کوڑا

پلاسٹک، کین، سٹیل، شیشہ، بوتلیں، گتتا، کاغذ، کنسٹر، ٹیٹرا پیک



سبز شاپر

### نامیاتی کوڑا

حیاتیاتی فضلہ (وہ تمام کچرا جو جانداروں سے بنتا ہے) اور کھانے پینے کی اشیاء مثلاً (پھل، سبزیاں، گوشت، انڈے کے چھلکے، ہڈیاں، چیز، پتے، گھاس، تہنیاں، ٹی بیگز



سفید شاپر

### پھینکنے والا کوڑا

جو چیزیں سبز اور سفید شاپر میں نہ جا سکیں وہ اس شاپر میں ڈالیں۔ مثلاً بچوں کے ڈالپر، گرد و غبار، ریپرز، وغیرہ



پیلا شاپر

**TEAM WASTE BANKERS**  
Collaboration of Department of Environmental Sciences and Faculty of Management Sciences under Business Incubation Center, UOG

### اگر آپ اپنا کوڑا علیحدہ کرتے ہیں تو

ہم بنا سکتے ہیں



کاروبار کے مواقع صاف ستھرا ماحول



ایندھن بجلی کھاد فرنیچر تعمیراتی سامان کاغذ

### کوڑے کے انتظام کا جدید طریقہ

**REDUCE** ریکیوس

کوڑا کم سے کم پیدا کریں



**REUSE** ریپوز

چیزوں کو اسی حاکت میں استعمال کریں



**RECYCLE** ری سائیکل

چیزوں کو دوبارہ استعمال کر کے نئی چیزیں بنائیں



آپ کا کوڑا ایک قیمتی اثاثہ ہے۔ اس کو روڑی میں ضائع ہونے سے بچائیے



کیا آپ کے گھر میں کوڑا کرکٹ ہے؟  
شو آج ہی اپنا اکاؤنٹ کھولیں



ویسٹ بینک

ایسی جادو کی چھڑی جو بدل دے آپکے کوڑے کو روپیوں میں







## UOG Day care and child development center

Due to the acute demand of faculty and staff members, UOG Daycare and Child Development Center has been established at Lane 2, Residence# 10 at Hafiz Hayat Campus. A Day Care Centre is a place where learning and fun become one and the primary place where young children learn social and pre-academic skills necessary for success in school. The Day Care toddler program is centered on natural curiosity and energy of young children. Besides grooming and manners, enrolled children are also educated with basic preschool knowledge through Montessori material. UOG Daycare Center is a place where children are safe and happy. The center provides numerous opportunities for children to experience wonder, pleasure, and delight. Parents feel confident and secure leaving their children in the center.







## 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 in the month of March 2013, at University of Gujrat Hafiz Hayat Campus, under the supervision of Respected Prof. Dr. Muhammad Mushahid Anwar Vice Chancellor University of Gujrat/Chairman of Department of Geosciences & Geography.





## UOG Events

### 1. Training lecture on (How can we achieve zero waste and circular Economy in Pakistan)

On November 15, 2023, the Department of Environmental Sciences at the University of Gujrat conducted a training lecture on achieving zero waste and a circular economy in Pakistan, under the leadership of Dr. Zaki ul Zaman Asam. The lecture emphasized that environmental sustainability is a necessity, not a choice. It provided insights into innovative and practical solutions to the waste crisis affecting Pakistan and the world. More than just a theoretical discussion, the session aimed to inspire participants to be part of a transformative movement towards a sustainable future.



### 2. Seminar on Negative Environmental & Health impacts of single-use Plastics

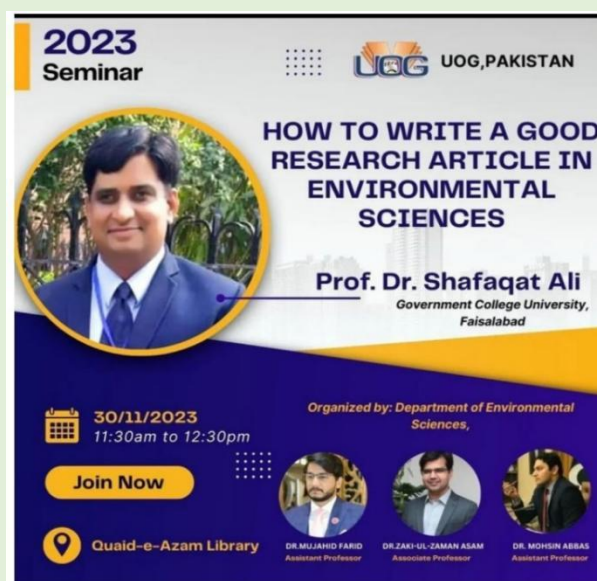
On November 29, 2023, the Strategic Planning and Implementation Unit of PGDP conducted a seminar on the negative environmental and health impacts of single-use plastics at the Punjab Arts Council in Gujranwala. Dr. Mohsin Abbas, Assistant Professor in the Department of Environmental Sciences at the University of Gujrat, informed the attendees about the harmful effects of single-use plastics. It raised awareness of the harmful effects of single-use plastics, encouraging responsible packaging choices in line with consumer demand for sustainability. The event also highlighted regulatory trends, helping product owners adapt proactively to potential legislation. Additionally, it promoted innovation in eco-friendly alternatives, enhancing brand image and market appeal. Engaging in such discussions fosters collaboration and sharing of best practices, positioning product owners as key players in the movement to reduce plastic waste. Overall, the seminar provided essential insights for addressing the plastic crisis and exploring sustainable solutions.





### 3. How to write a good research paper in Environmental Sciences

On November 30, 2023, a training lecture on "How to Write a Good Research Paper in Environmental Sciences" was conducted under the leadership of Dr. Zaki ul Zaman Asam, Department of Environmental Sciences. Disseminating new knowledge through writing and publishing is not only a current necessity but also a core responsibility of all researchers. It emphasized clarity, structure, and critical analysis, fostering a vibrant research culture within the Department of Environmental Sciences. The lecture underscored the importance of disseminating research findings to inform policy and practice, highlighting how well-written papers can influence decision-making. Additionally, it provided networking opportunities for attendees to collaborate and share ideas for future research projects. Overall, the lecture equipped participants with vital tools for effective communication in the field, enhancing their academic and professional growth.



### 4. Tracing Climate Effects on Glaciers and agriculture in Pakistan Using GIS





In December 2023, the Department of Geography conducted a seminar on "Tracing Climate Effects on Glaciers and Agriculture in Pakistan Using GIS." The seminar aimed to inform students about the impacts of climate change on glaciers and agriculture through the application of Geographic Information Systems (GIS). This event was significant as it equipped students with essential skills in GIS, which is crucial for analyzing and visualizing climate-related data. Understanding the effects of climate change on key resources like glaciers and agriculture is vital for developing effective adaptation and mitigation strategies in Pakistan. By enhancing students' knowledge in this area, the seminar contributed to fostering a generation of informed researchers and practitioners dedicated to addressing environmental challenges.



## 5. Celebrate Earth Day with Plantation Drive

The Earth Day plantation drive conducted by the Prof. Dr. Rashid Saeed Chairperson Department of Environmental Sciences at the University of Gujrat on April 24, 2024, effectively combined awareness of plastic pollution with action through tree planting. The event highlighted the need for environmental stewardship, fostered community engagement, and underscored the importance of reforestation in combating climate change. It served as a call to action for participants to contribute to a healthier, more sustainable future.



## 6. Seminar on Negative Environmental & Health impacts of single-use Plastics



On October 24, 2023, the Strategic Planning and Implementation Unit of PGDP conducted a seminar on the negative environmental and health impacts of single-use plastics at the Punjab Arts Council in Gujranwala. Dr. Zaki ul Zaman Asam, Associate Professor, Department of Environmental Sciences, University of Gujrat, participated in the event as invited speaker. It raised awareness of the harmful effects of single-use plastics, encouraging responsible packaging choices in line with consumer demand for sustainability. The event also highlighted regulatory trends, helping product owners adapt proactively to potential legislation. Additionally, it promoted innovation in eco-friendly alternatives, enhancing brand image and market appeal. Engaging in such discussions fosters collaboration and sharing of best practices, positioning product owners as key players in the movement to reduce plastic waste. Overall, the seminar provided essential insights for addressing the plastic crisis and exploring sustainable solutions.



## 7. World Environment Day

June 5 is observed as World Environment Day, governed by the United Nations. The World Environment Day was observed for one week to focus on individual efforts to increase their role in the environment. World Environment Day celebrated at the HH Campus on 5<sup>th</sup> June 2023 with close collaboration of District Administration Gujrat. UOG Estate care department actively arranged planation drive on this day. Guest were Additional Deputy Commissioner Revenue Gujrat, Khizer Hayat Bhatti, Department of Forestry Rashid Bashir SDO and Vice Chancellor, University of Gujrat.

## 8. Digital Twining for more Sustainable Built Environment





## 9. Seminar on Greenhouse gas protocols corporate standard and measuring carbon footprint



## University Rankings



The University ranked among the top 800 universities in the World University Rankings.

## UI Green Metric World University Rankings, 2023 Performance

University of Gujrat ranked at the 704<sup>th</sup> World's Most Sustainable University in 2023 UI Green Metric World University Rankings. Below is the detailed results for sustainability parameters.







## UNIVERSITY PROFILE

<b>Name</b>	<b>: University of Gujrat</b>
<b>Established</b>	<b>: 2004</b>
<b>Country</b>	<b>: Pakistan</b>
<b>Tree Rating</b>	<b>:</b>



## 1. VERIFIED DATA



**Setting & Infrastructure (SI)**



**Energy & Climate Change (EC)**



**Waste (WS)**



**Water (WR)**



**Transportation (TR)**



**Education & Research (ED)**

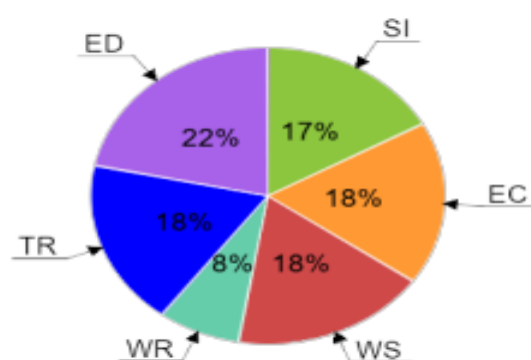


Figure 1.1 Overall Score Diagram



## 2. RESULTS SUMMARY

<b>World Ranking</b>	<b>SI Ranking</b>	<b>EC Ranking</b>	<b>WS Ranking</b>
<b>704</b>	<b>529</b>	<b>775</b>	<b>643</b>
	<b>WR Ranking</b>	<b>TR Ranking</b>	<b>ED Ranking</b>
	<b>756</b>	<b>735</b>	<b>649</b>

## 3. WORLD RANKINGS HISTORY

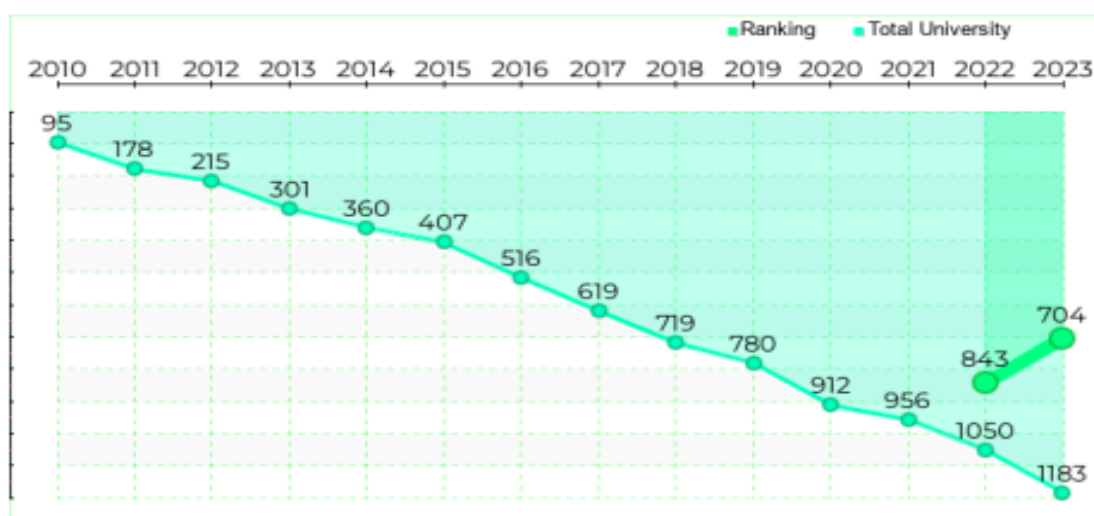


Figure 3.1 World Rankings History Diagram

## 4. RANKING IN PAKISTAN

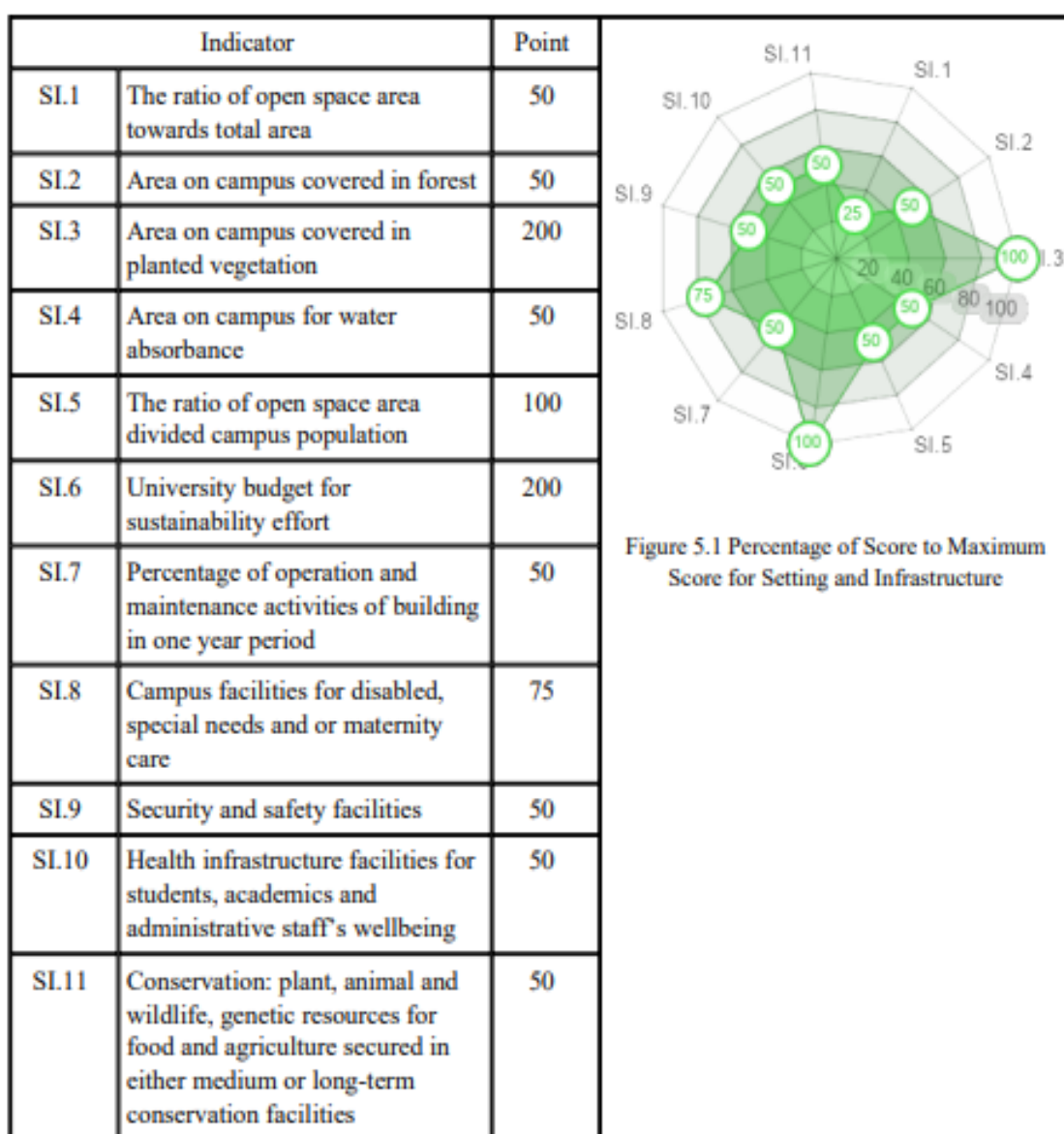
<b>Country Ranking</b>	<b>SI Ranking</b>	<b>EC Ranking</b>	<b>WS Ranking</b>
<b>34</b>	<b>29</b>	<b>44</b>	<b>21</b>
	<b>WR Ranking</b>	<b>TR Ranking</b>	<b>ED Ranking</b>
	<b>36</b>	<b>37</b>	<b>30</b>



## 5. RESULTS DETAIL

### Setting and Infrastructure

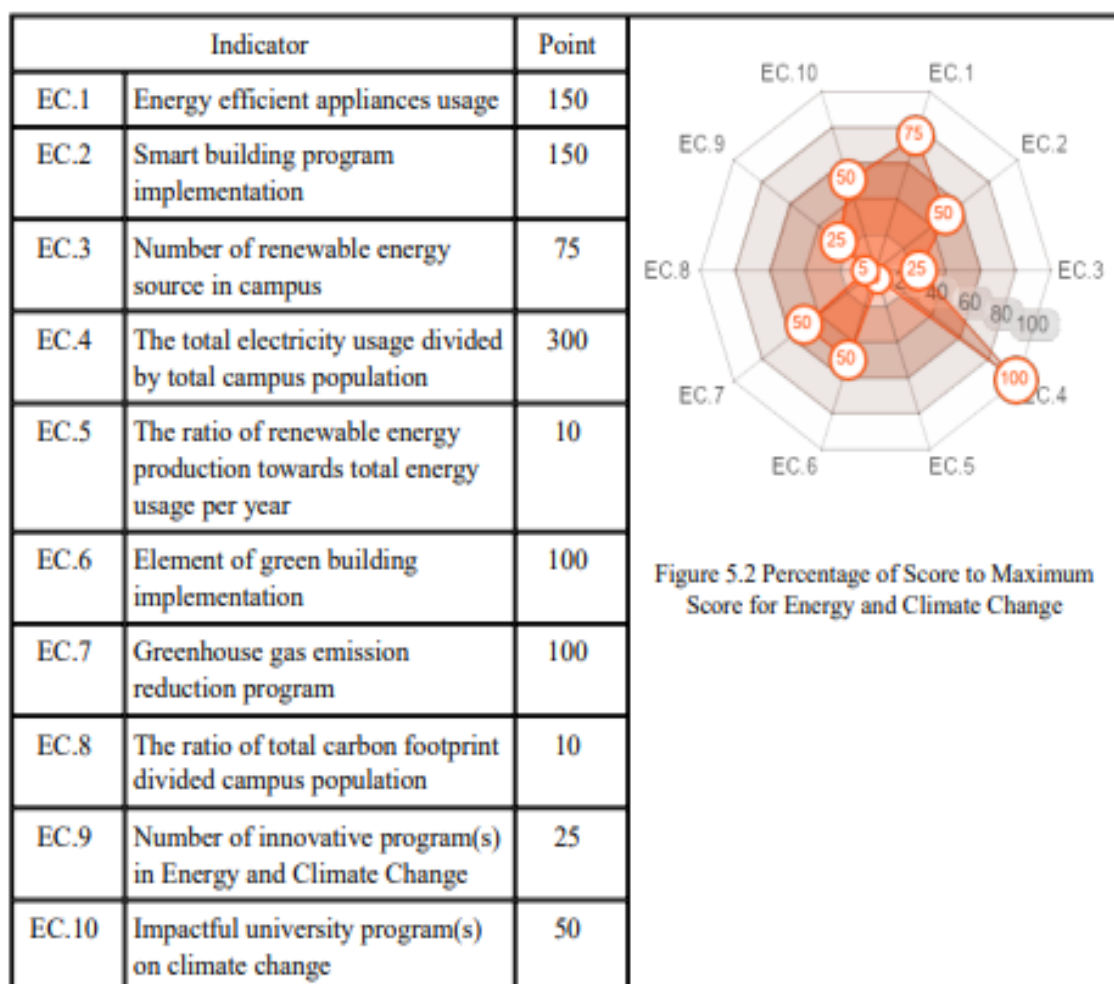
The campus setting and infrastructure information provides the basic information about the university's policy on green environment. The indicators also show whether the campus deserves to be called a Green University. The aim is to encourage the participating universities to provide more spaces for greenery and safeguard the environment





## Energy and Climate Change

The university's attention to the use of energy and climate change issues has the highest score in this ranking. In our questionnaire, we define several indicators for this area of concern, i.e., energy-efficient appliances usage, the implementation of smart buildings/automation buildings/intelligent buildings, renewable energy usage policy, total electricity usage, energy conservation programs, elements of green buildings, climate change adaptation and mitigation programs, greenhouse gas emission reductions policy, and carbon footprint. Within these indicators, the universities are expected to increase their efforts in energy efficiency in their buildings and to care more about nature and alternative energy resources.

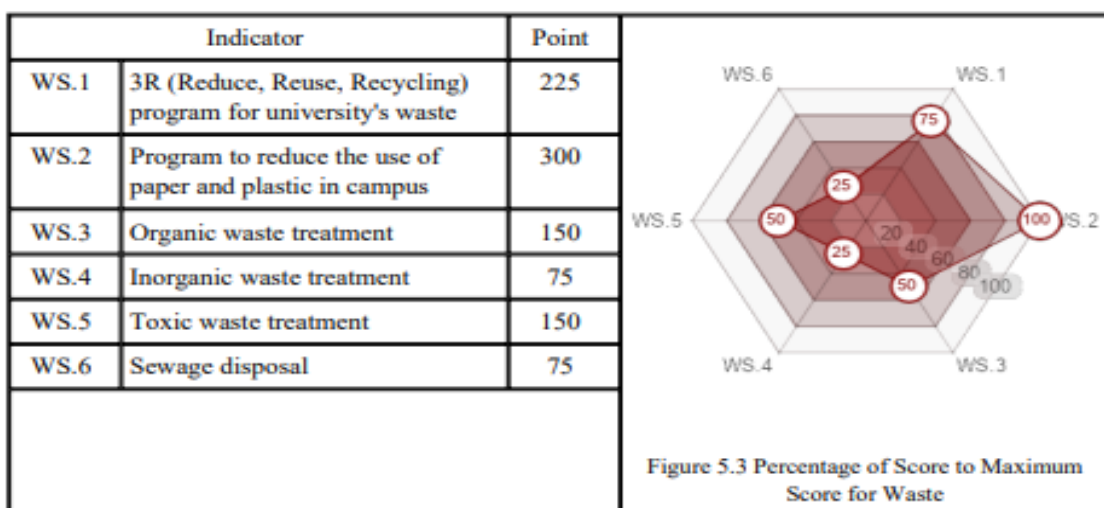






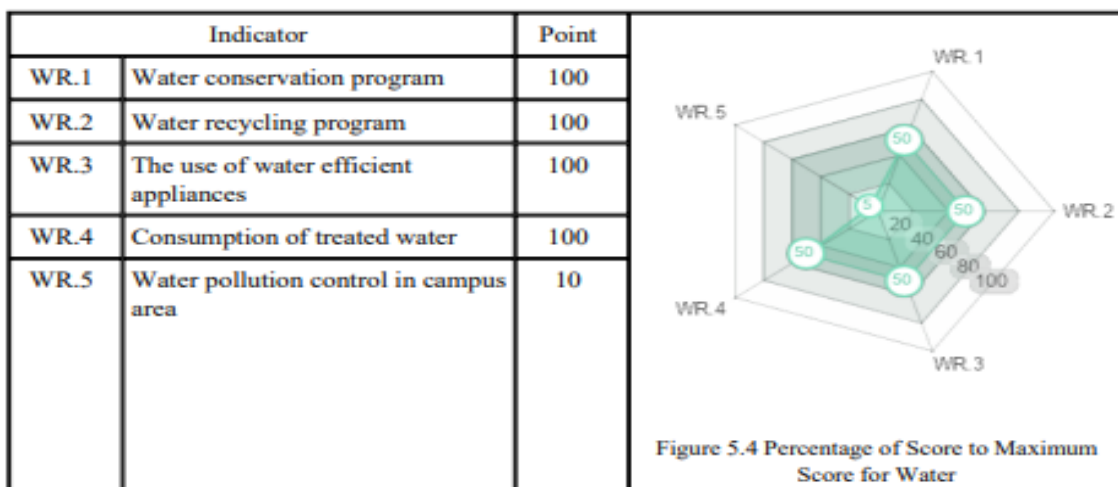
## Waste

Waste treatment and recycling activities are major factors in creating a sustainable environment. The activities of university staff, students, and communities around university produce a lot of waste; therefore, some recycling and waste treatments programs should be among the concern of the university, i.e., 3R (Reduce, Reuse, Recycle) program, organic waste treatment, inorganic waste treatment, toxic waste recycling, sewage disposal, policies to reduce the use of paper and plastic on campus.



## Water

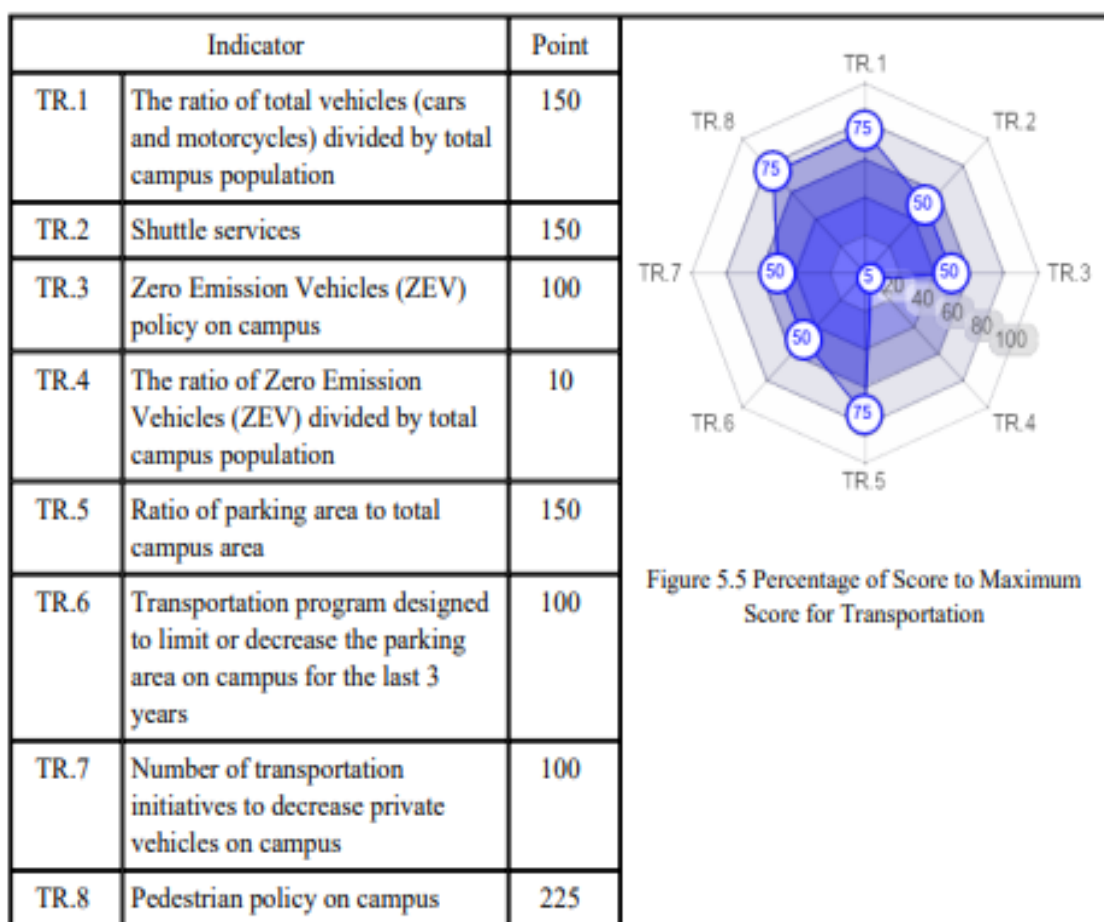
Water usage at university is another important criterion in the UI GreenMetric. The aims are to encourage universities to decrease groundwater usage, increase water conservation programs, and protect habitats. Water conservation programs, water recycling programs, water-efficient appliances usage, and treated water usage are among the criteria





## Transportation

Transportation systems play an important role in carbon emission and pollutant levels at universities. Transportation policies that limit the number of motor vehicles on campus and encourage the use of campus buses, shared vehicles, and zero emission vehicles (i.e. bicycles, electric cars, electric motorcycles, canoes, snowboards, etc.) will encourage a healthier environment. The pedestrian policy encourages students and staff to walk around campus and minimize the use of private vehicles. The use of environmentally friendly public transportation will decrease the carbon footprint around campus.





## Education & Research

The university's education and research information provide basic information about the university's policies and actions in creating and supporting their students, academic and non-academic staff with sustainability awareness. This criterion also encourages universities to report their sustainability activities, strategies, and targets to their stakeholders.

