

# SUSTAINABILITY

# REPORT

2022



INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



10 REDUCED  
INEQUALITIES



11 SUSTAINABLE CITIES  
AND COMMUNITIES



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FOR THE GOALS



SUSTAINABLE  
DEVELOPMENT  
GOALS



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UNIVERSITY OF GUJRAT

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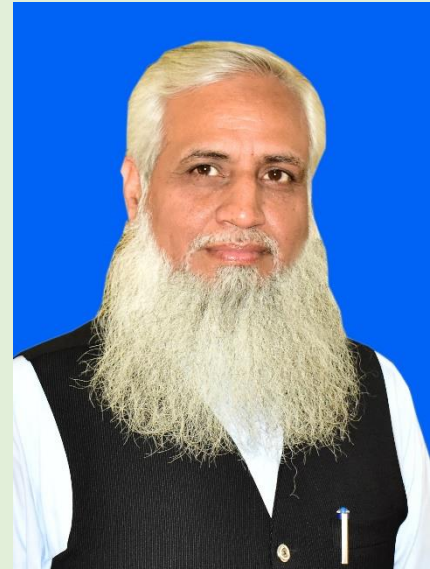
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## Vice Chancellor's Message

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 843th World Most Sustainable University in 2022 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 Message

Dear Members of the University Community,

It is with great pride and a sense of collective achievement that I address you in the release of our first annual UOG Sustainability Report. This document stands as a testament to the dedication and progress we have made as an institution committed to sustainability. Sustainability is not a mere concept within the walls of our university; it is an integral part of our identity and purpose. In a world facing unprecedented environmental and social challenges, we understand that universities play a pivotal role in fostering knowledge, innovation, and action. Our commitment to sustainability is a reflection of our responsibility and our vision for a better future.



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 society and the environment.

Our commitment to sustainability is not static; it evolves with the world around us. As we face new challenges and opportunities, we remain adaptable, innovative, and resolute in our pursuit of sustainability. This report serves as both a reflection of our progress and a roadmap for our future efforts. Our success is the result of the collective effort of the entire university community. Students, faculty, staff, and administrators each play a crucial role in realizing our sustainability goals. Your dedication, passion, and innovative thinking are at the heart of our achievements. I invite you to explore the report, delve into the details, and engage with us in this collective endeavor. Together, we can inspire change, lead by example, and prepare our students to become the sustainability leaders of tomorrow. Our commitment to sustainability is not just about reporting numbers and statistics; it is about fostering 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 hope for the future,

**Dr. Zaki-ul-Zaman Asam**

Director Sustainability

University of Gujrat



## About This Report

We are pleased to introduce the first University Sustainability Annual Report, 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 2022. 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 12km from the city of Gujrat. It comprises Hafiz Hayat Campus, a School of Law, four city campuses in Gujrat 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 147 PhDs among a total of about 680 faculty members. As many as 409 MPhils are collaborating with the national and international organizations.

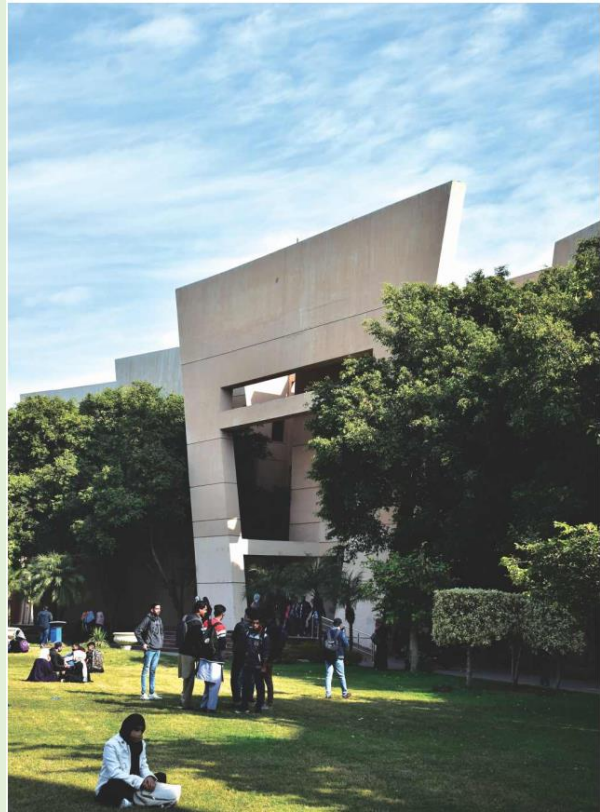
There are also students registered as private candidates to whom the UOG awards degrees after annual examinations. Strategically located, it is providing education not only to rural localities of Gujrat but also to the people of surrounding districts of Golden Tri angle encompassing Sialkot, Gujranwala 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 under the headed by **Dr. Ayesha Siddiqua**. Activities like, planation drives, awareness walk and seminars routinely conduct and mentioned in this report accordingly.



### KJP Green Youth Movement Club, UoG.

Kamyab Jawan Green Youth Movement (GYM) Prime Minister's Youth Program for "Green and Clean, Pakistan and this club 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 Kamyab Jawan 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 *\*Mr. Ghafar Mohiudin\** (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 | *\*ANS MAHMOOD KHAN\** & Vice Captain | *\*Syeda Fariha.\** 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.











## Community Services

### Uogians dole out flood relief goods worth Rs5.1 million

GUJRAT – Scores of volunteers from among the students and staff of the University of Gujrat (UoG) with flood relief goods worth Rs5.1 million began their relief operations in the flood-hit districts of southern Punjab.

The relief operation is headed by director Student Services Centre (SSC), Mr Ghaffar Mohyuddin. The flood relief initiative was taken by the vice chancellor as he made an appeal to the Uogians to join their forces for helping the flood victims. A committee for relief activities was set up that included dean Prof. Dr Muhammad Mushahid Anwar, dean Prof. Dr Zahid Yousuf, Chairperson Mathematics Department Prof. Dr Iftikhar Ahmed, Dr Sajjad Sumra and heads of administrative and educational departments as well as students. Flood relief camps were set up at Hafiz Hayat Campus and various city sub-campuses for collecting donations. “Floods are a national calamity. We should generously help those affected by the devastating floods. The Uogians will continue their humanitarian campaign for the rehabilitation of the victims who lost their homes,” said the vice chancellor.





### 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.



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 80% of the work has been completed. The construction work of the academic block, including public health, is in progress, which will be completed next year. 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.



The Quality Enhancement Cell (QEC) was established on January 3, 2008 in phase III of QEC's Establishment as per Quality Assurance Agency (QAA) guidelines (Higher Education Commission). The QEC at the University of Gujrat is one of the largest QECs in the public sector universities in Pakistan. 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.

04



Quality  
Education

### Quality Assurance Practices

The QEC has established a vibrant and robust mechanism for implementing quality processes and procedures at the UOG. It has achieved targets of

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 assessment team has reviewed more than 94 % programs offered at the HHC. The QEC has also extended its activities at sub campuses and established the QEC at affiliated colleges.

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.



### **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 “W” category of the QECs with a score of 94.6/100. 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 .



## Gender Equality

### Equity

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.



## Gender Equality

The University of Gujrat always strives to provide equal facilities to all genders.

### Ethnic and Religious Equality

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.

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.

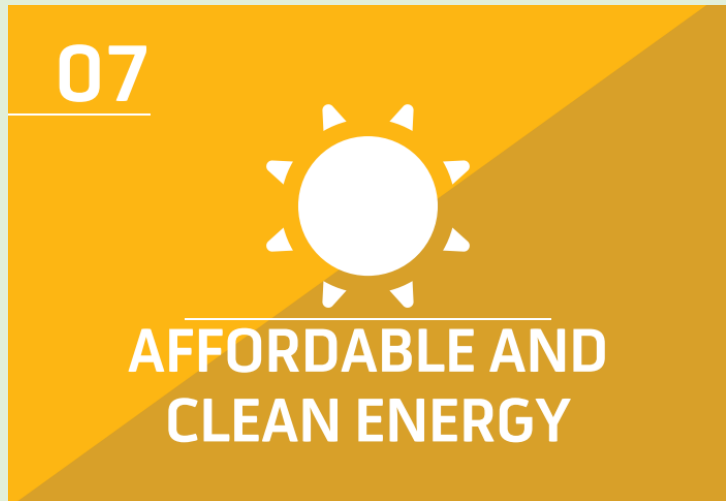




### **Solarization of the University of Gujrat Building**

The University of Gujrat has approved the Solarization scheme of the main campus in the first phase and approval granted from the relevant quarters accordingly 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

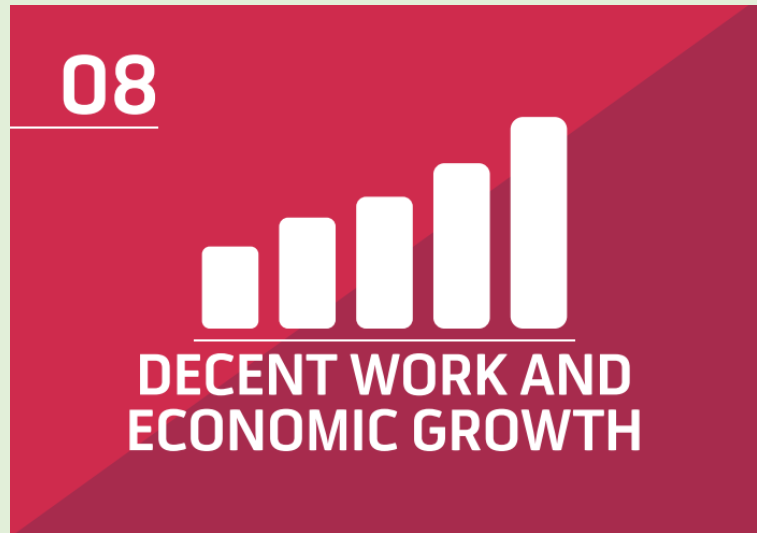


The above-mentioned scheme will reduce the dependence of UOG on electricity in order to reduce the carbon footprint.





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 training session on Professional Excellence for visiting and young faculty members on October 11, 2023. In this event, 44 participants were nominated by 20 departments and everyone was happy regarding the theme, resource person expertise and facilities provided by HRDC in line with various departments.







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;

09



**INDUSTRY, INNOVATION  
AND INFRASTRUCTURE**

### **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.





**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.





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. 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.



Sustainable Cities and 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.





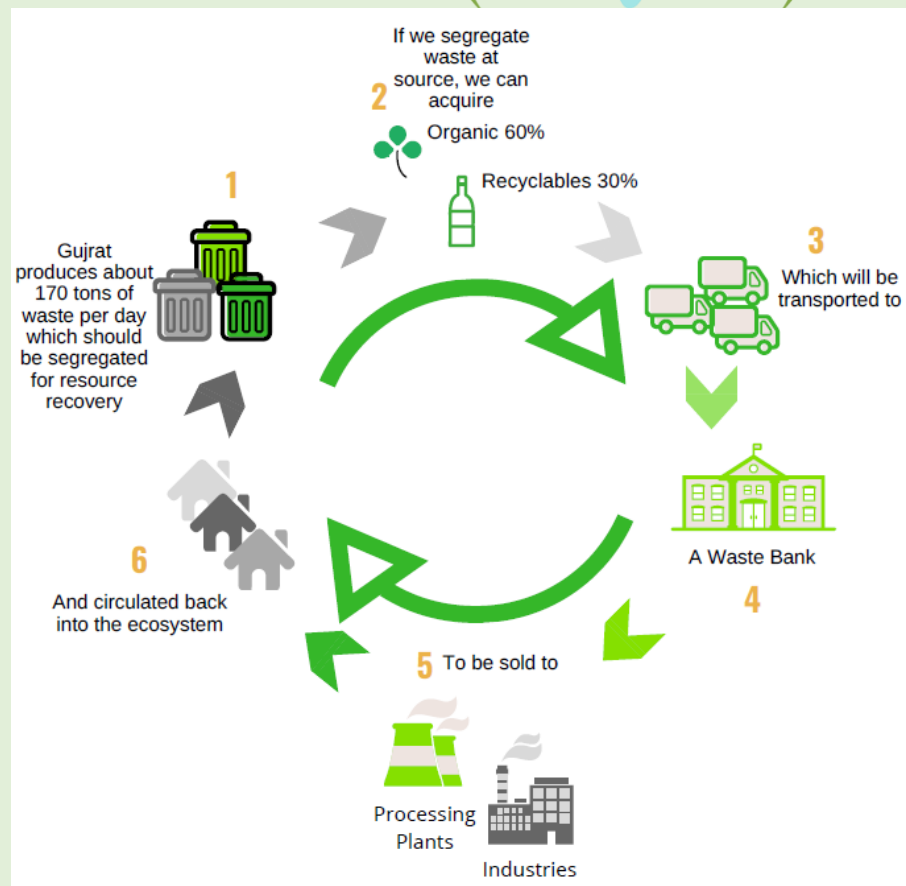
Responsible Consumption and Production is the twelve important SDGs specified by the United Nations. The purpose is to encourage efficient utilization of resources through sustainable practices. UOG is taking vital measures to encourage youth to contribute to the circular economy in Pakistan. A circular 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



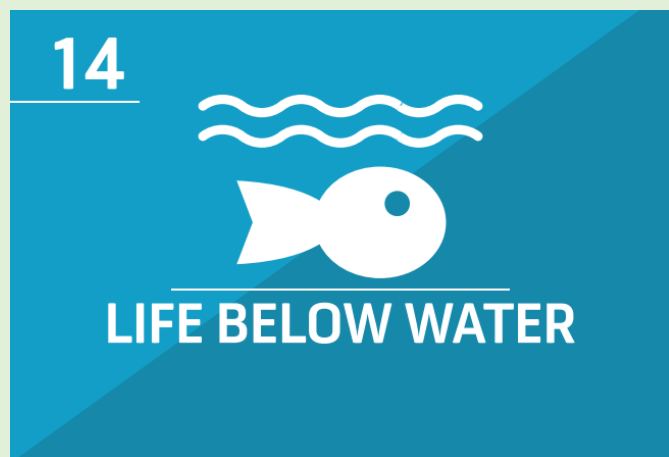


resources, reducing landfill content and also boosting small and medium businesses. However, to design such a well-developed waste management system accurately, there is a need to quantify and characterize the generated waste in targeted city. Authentic and reliable research is under progress for Gujrat city where as the idea is being tested on pilot scale in the Business Incubation Center of University of Gujrat. 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.

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>)



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.





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.



Peace, Justice and 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.







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.

17



**PARTNERSHIP FOR  
THE GOALS**



## 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

BUSINESS INCUBATION CENTER  
INDUSTRY - ACADEMY - INNOVATION  
UNIVERSITY OF GUJRAT

# 5 THINGS TO DO FROM TODAY

- 1. CARRY YOUR TRASH**  
till it meets a bin bag!
- 2. BUY PLASTIC BOTTLES**  
only if you are recycling them!
- 3. BOYCOTT PAPER AND PLASTIC**  
unless you use it efficiently!
- 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

<b>ORGANIC</b>	<b>RECYCLABLES</b>	<b>TRASH</b>
Food items, tea bags, egg shells, garden waste etc	Plastic, cans, metal, glass, bottles, cardboard, paper, tetra pak etc	Dust, wrappers, etc

wastebankpakistan.wordpress.com

wastebankpakistan@gmail.com



# #GREEN HAYATIAN

UNIVERSITY OF GUJRAT  
WASTEBANK PAKISTAN  
WASTE  
WORTH IS GOLD

Your sorted waste can be used by...

Biodegradable organic → Processing Plants

Recyclables → Recycling industries

Trash → Landfill (now minus organic and recyclables)

**To make!**

- Fuel
- Electricity
- Paper
- Construction Material
- Furniture

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# #GREEN HAYATIAN

UNIVERSITY OF GUJRAT  
WASTEBANK PAKISTAN  
WASTE  
WORTH IS GOLD

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، کنسٹرکٹو، 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، آنتے کے چھلکے، ہڈیاں، چیز، پتے، گھاس، تھنیاں، 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 ٹالپر، گرد و غبار پیروز، وغیرہ



پیلا شاپر

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

### اگر آپ اپنا کوڑا علیحدہ کرتے ہیں تو ہم بنا سکتے ہیں

کاروبار کے مواقع صاف ستھرا ماحول



### کوڑے کے انتظام کا جدید طریقہ

#### REDUCE ریڈیوس

کوڑا کم سے کم پیدا کریں

#### REUSE ریپوز

چیزوں کو اسی جاگت 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؟  
ٹو آج ہی اپنا اکاؤنٹ کھولئیے



## 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. Participation in International Climate Change

The Department of Geography at the University of Gujrat participated in the international conference "Implications of climate change on water and agriculture" at the Baragali summer Campus of the University of Peshawar from June 17-19, 2023. Mr Faizan Illahi, Student of BS RS/GIS 8th semester, Department of Geography University of Gujrat received the best researcher award and souvenir from Prof. Dr. Muhammad Idrees, the Vice Chancellor University of Peshawar and Prof. Dr. Atta-ur-Rahman, Chairman Department of Geography & Geomatics, University of Peshawar. Mr. Faizan Illahi worked on "Landslide Susceptibility Mapping Using Artificial Neural Network in Shahpur Valley Shangla, Eastern Hindu Kush" under the Supervision of Dr. Ghani Rahman, University of Gujrat.



### 2. UoG plantation drive welcomes spring (Dream UOG- Green UOG)

A spring tree planting campaign was launched after a green awareness walk was organized here at Hafiz Hayat Campus of the University of Gujrat (UoG). The activities were organized by the UoG Green Youth Movement Club in collaboration with the Student Services Centre to raise awareness among students about the importance and role of trees to curb environmental pollution and promote a cleaner environment. Vice Chancellor Prof. Dr Shabbar Atiq in his address on the occasion said that trees are ambassadors of pleasant environment. "Planting trees and nurturing them with proper care is our social responsibility. Hafiz Hayat Campus of the UoG with its beautiful trees enjoys the reputation as one of the





greenest campuses. Eliminating environmental pollution is our shared national responsibility," Prof. Dr Shabbar Atiq said, adding that students should contribute towards keeping the campus environment clean as it has a pleasant effect on human nature. Later, the VC along with the students planted trees in different parts of the campus. Dean Faculty of Science Prof. Dr Muhammad Mushahid Anwar, Director SSC Ghaffar Mohiyudin, members of various faculties and senior administration officials were present on the occasion.



### 3. World Environment Day



June 5 is observed as World Environment Day, governed by the United Nations. The slogan for World Environment Day 2022 is "**Only One Earth**", which focuses on living sustainably in harmony with nature. Green Youth Movement Club UOG under the umbrella of HEC Pakistan and UN theme, started a Social Media Campaign to encourage the connected community to defend, preserve, and protect our one and only home, Earth. The World Environment Day was observed for one week to focus on individual efforts to increase their role in the environment.

### 4. International Conference on Energy, Power, Environment, Control and Computing

**2<sup>nd</sup> Conference on Energy, Power, Environment, Control and Computing** conducted on 8<sup>th</sup> to 9<sup>th</sup> March 2023. After a memorable and historic event of 1st international conference on Energy, Power, and Environment (ICEPE-2021), University of Gujrat is organizing the 2nd International Conference titled as Energy, Power, Environment, Control, and Computing (ICEPECC-2023). The ICEPECC-2023 was being organized in partnership with Gift University and University of Sialkot. ICEPECC-2023 shall be technically Co-sponsored by IEEE lahore section, Universiti Sains Malaysia, and UET Taxila. The conference was scheduled to be held at University of Gujrat and Gift University on 8th and 9th March 2023 respectively, to bring the latest research results and novel ideas from the leading national and international researchers



to the spotlight. The conference was conducted in hybrid mode: allowing both face-to-face and virtual presentations. The objectives of the conference were to provide high quality research and professional interactions for the advancement of science and technology. Therefore, the conference provide an ideal platform for researchers to share thoughts and experiences in the research areas related to Energy, Power, Environment, Control and Computing.



### 5. Green Day Awareness and Tree Plantation Drive

Green Day Awareness and Tree Plantation Drive The first event held at the University of Gujrat under the GYM Club was the Green Day Awareness and Tree Plantation Drive organized by GYM Club UOG in collaboration with the Students Services Centre, UOG on **March 1 2022**. The awareness walk was held from the UOG Hafiz Hayat Campus Academic Block Barrier to the Vice Chancellor’s Office where the Vice Chancellor, Prof. Dr. Shabbar Atiq joined in the tree plantation ceremony. Plant Trees, Save Environment for Human Survival. Plantation Day and Walk organized by the Department of Environmental Sciences in collaboration with Green Revolution & National Cleaner Product Center here today at Hafiz Hayat Campus, University of Gujrat.







## 6. Plantation Day and walk

Plantation Day and walk conducted in 9<sup>th</sup> March 2023 plantation day and walk conducted by the Department of Environmental Sciences with the theme of “Plant trees, Save Environment for Human Survival”.



## 7. World Environment Day

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.



گجرات: جامعہ گجرات میں ماحولیات کے عالمی دن کے موقع پر وائس چانسلر پروفیسر ڈاکٹر شہتین اور ایڈیشنل ڈپٹی کمشنر یونیورسٹی گجرات حضرت حیات بھٹی ایک سیمینار سے خطاب کرتے ہوئے۔



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## 8. World against Single Use Plastic: Awareness Seminar

UOG Green society by permit of coordinator of Green Society (Dr. Ayesha Siddiqua) organized seminar on 2022 in which Chief guest is Miss WASUP Queen, Janifer Carlos who speaks about no more plastic to save the environment and reduce the effects of climate change. Spring tree planting was organized at University of Gujrat in partnership with UoG Green Society and Forest Department Gujrat. Guest participants of the seminar on pollution and elimination of plastic products organized by Department of Environmental Sciences at University of Gujrat on this occasion. Gari plants Planting tree plantation has been considered a sure means of eliminating environmental pollution. Miss England Charity Coin of World Organization for the Elimination of Plastic Pollution WASUP, Vice Chancellor Prof. Dr. Shabar Atiq, Deputy Commissioner District Gujrat Dr. Khurram Shahzad, distinguished social person. Dr. Ijaz Bashir, Chairperson Environment Department Ulum Dr Rashid Saeed and Dean, Directors, Senior Teachers and others of University of Gujrat planting commemorative plants reiterated that trees ensure green environment and healthy life by reducing environmental pollution. According to Department of Administrative Affairs of University of Gujarat Q Twelve thousand trees have been planted in Hafiz Hayat campus. Remember that University of Gujrat is proud of being a green lush campus among universities across Punjab. The administration of Jamia Gujrat is now mostly focusing on large scale cultivation of fruit trees. Miss England WASUP charity Queen at University of Gujrat Pakistan with Rabia Ijaz, Chief International Ambassador WASUP Pakistan.







## 9. Environmental Mela: NCPC COMPETITION

UOG Green society with the coordination of society coordinator Dr. Ayesha Siddiqua participated National Cleaner Production Center Foundation (NCPC) competition in Islamabad which is held on 4<sup>th</sup> March, 2023. National Cleaner Production Center Foundation (NCPC) is not for profit organization working in the field of environment and energy at Pakistan since 1999 with the ultimate aim to improve the environmental conditions which in turn contributes to the welfare of community. NCPC has a history of organizing annual Environmental Melas since 2013. As a routine annual practices, a team from the department of Environmental Sciences, UOG Green Society of students attend and secured prize.





## UI GreenMetric World University Rankings, 2022 Performance

University of Gujrat ranked at the 843rd World's Most Sustainable University in 2022 UI GreenMetric World University Rankings. Below is the detailed results for sustainability parameters.





# 1. VERIFIED DATA

Category	Point	Maximum Point	Percentage
Setting and Infrastructure (SI)	1,025	1500	68.33 %
Energy and Climate Change (EC)	985	2100	46.90 %
Waste (WS)	375	1800	20.83 %
Water (WR)	160	1000	16.00 %
Transportation (TR)	385	1800	21.39 %
Education (ED)	1,100	1800	61.11 %
<b>Total Score</b>	<b>4,030</b>	<b>10000</b>	<b>40.30 %</b>

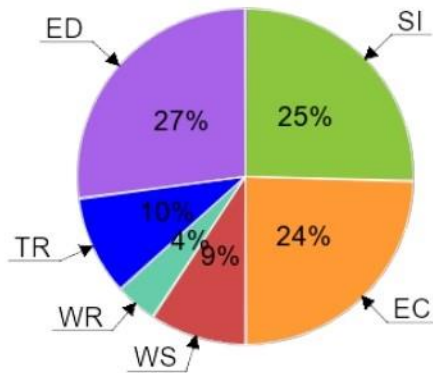
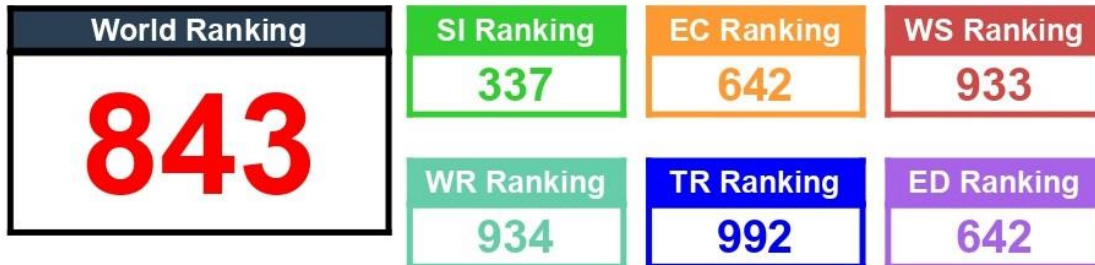


Figure 1.1 Overall Score Diagram





## 2. RESULTS SUMMARY

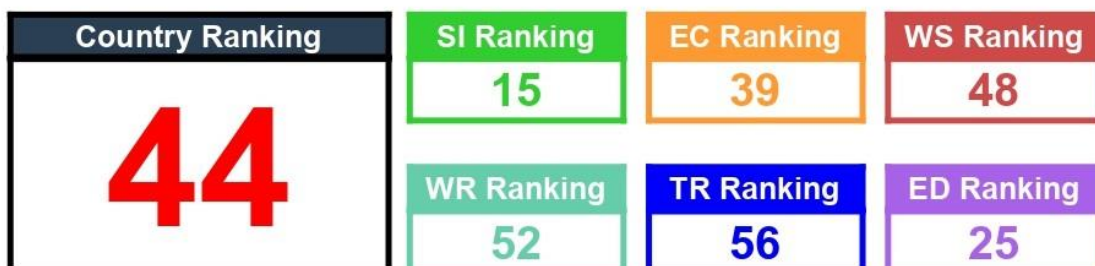


## 3. WORLD RANKINGS HISTORY



Figure 3.1 World Rankings History Diagram

## 4. RANKING IN PAKISTAN





## 5. RESULTS DETAIL

### Setting and Infrastructure

Indicator		Score
SI.1	The ratio of open space area towards total area	150
SI.2	Area on campus covered in forest	50
SI.3	Area on campus covered in planted vegetation	200
SI.4	Area on campus for water absorbance	50
SI.5	The ratio of open space area divided campus population	100
SI.6	University budget for sustainability effort	200
SI.7	Percentage of operation and maintenance activities of building in one year period	75
SI.8	Campus facilities for disabled, special needs and or maternity care	75
SI.9	Security and safety facilities	50
SI.10	Health infrastructure facilities for students, academics and administrative staff's wellbeing	50
SI.11	Conservation: plant, animal and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	25

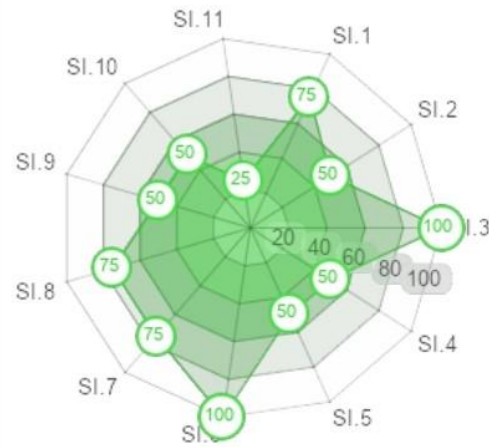


Figure 5.1 Percentage of Score to Maximum Score for Setting and Infrastructure



## Energy and Climate Change

Indicator		Score
EC.1	Energy efficient appliances usage	150
EC.2	Smart building program implementation	75
EC.3	Number of renewable energy source in campus	150
EC.4	The total electricity usage divided by total campus population	300
EC.5	The ratio of renewable energy production towards total energy usage per year	10
EC.6	Element of green building implementation	50
EC.7	Greenhouse gas emission reduction program	50
EC.8	The ratio of total carbon footprint divided campus population	150
EC.9	Number of innovative program(s) in Energy and Climate Change	25
EC.10	Impactful university program(s) on climate change	25

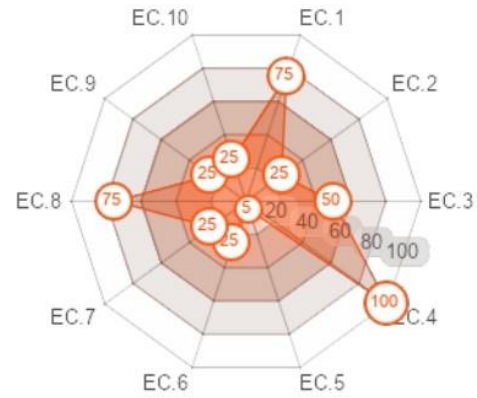


Figure 5.2 Percentage of Score to Maximum Score for Energy and Climate Change

## Waste

Indicator		Score
WS.1	Recycling program for university waste	225
WS.2	Program to reduce the use of paper and plastic in campus	75
WS.3	Organic waste treatment	75
WS.4	Inorganic waste treatment	0
WS.5	Toxic waste treatment	0
WS.6	Sewerage disposal	0

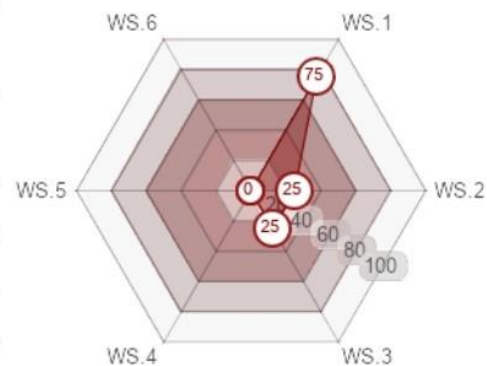


Figure 5.3 Percentage of Score to Maximum Score for Waste



## Water

Indicator		Score
WR.1	Water conservation program	50
WR.2	Water recycling program	50
WR.3	The use of water efficient appliances	0
WR.4	Consumption of treated water	50
WR.5	Water pollution control in campus area	10



Figure 5.4 Percentage of Score to Maximum Score for Water

## Transportation

Indicator		Score
TR.1	The ratio of total vehicles (cars and motorcycles) divided by total campus population	150
TR.2	Shuttle services	0
TR.3	Zero Emission Vehicles (ZEV) policy on campus	0
TR.4	The ratio of Zero Emission Vehicles (ZEV) divided by total campus population	10
TR.5	Ratio of parking area to total campus area	150
TR.6	Transportation program designed to limit or decrease the parking area on campus for the last 3 years	0
TR.7	Number of transportation initiatives to decrease private vehicles on campus	0
TR.8	Pedestrian policy on campus	75

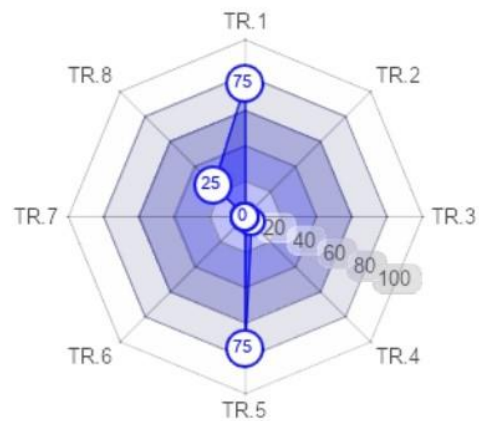


Figure 5.5 Percentage of Score to Maximum Score for Transportation





## Education

Indicator		Score
ED.1	The ratio of sustainability courses towards total courses/modules	225
ED.2	The ratio of sustainability research funding towards total research funding	200
ED.3	Sustainability publications	100
ED.4	Sustainability events	100
ED.5	Sustainability student organizations	150
ED.6	Sustainability websites	150
ED.7	Sustainability report	0
ED.8	Number of cultural activities on campus	25
ED.9	Number of university program(s) to improve teaching and learning	25
ED.10	Number of sustainability community services project organized and/or involving students	25
ED.11	Number of sustainability-related startups	100

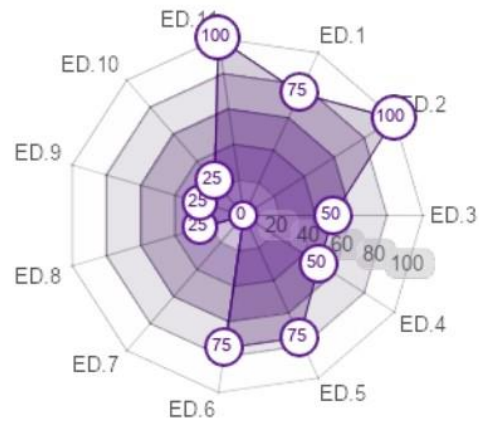


Figure 5.6 Percentage of Score to Maximum Score for Education

