



SDG:11 SUSTAINABLE CITIES AND COMMUNITIES

Initially, sustainable communities prioritize environmental sustainability through cleanliness and efficiency measures. Subsequently, sustainable communities exhibit resilience in the face of social, economic, and natural shocks. The essential features of a sustainable city encompass:

- Integration Of Green Infrastructure,
- Adoption Of Urban Farming Practices,
- Effective Public Transportation Systems,
- Utilization Of Renewable Energy Sources,
- Management Of Waste,
- Conservation Of Water Resources.

Ziauddin University represents its firm commitment to become a Sustainable & Internationally acclaimed educational entity, hence its Quality Enhancement Cell does its utmost to work on all essential criteria to represent the University in Green metric Ranking.

- It contributes to academic discourses on sustainability in education and the greening of campus.
- It promotes university-led social change regarding sustainability goals and as a tool for self-assessment on-campus sustainability for higher education institutions (HEIs) around the globe.
- It will be evident to inform governments, international and local environmental agencies, and the society about sustainability.
- It is based on the concept of Environment, Economy & Impartiality to achieve development goals.
- It is devised to help the university for internalization, recognition benefit, and to address global challenges.

Benefits of Sustainability

1. Environmental Conservation
2. Climate Change Mitigation
3. Economic Stability
4. Social Responsibility
5. Health Benefits
6. Innovation and Technological Advancement
7. Resource Security
8. Regulatory Compliance and Risk Mitigation
9. Global Collaboration
10. Resilience to Change



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Sustainable Infrastructure

Infrastructure of Ziauddin University is designed in a sustainable way. Campuses are constructed in eco and environment friendly manner such as open court, Air ventilation system that helps usage of daylight the most or efficient use of natural resources.

- Campuses are built purposely pedestrian friendly to reduce carbon emission and prevent pollution.
- All the campuses are aligned with smart implementation of appliances such as LED, solar panels, LED Lighting, Inverters, RO Plants, water and waste recycling programs etc.

Sustainable infrastructure of Ziauddin University supports day to day functions and assists in integrating the natural environment.

- Total Campus Area of Ziauddin University is 470227.16 square metre.
- Total Campus ground floor area of buildings (m²) is 46298.55 square metre.
- Total Campus building Area of Ziauddin University is 145510.18 square metre.
- Ratio of open space towards total area: 90.15%



Ziauddin University Clifton Site



Ziauddin University North Nazimabad Site



Ziauddin University Kemari Site



Ziauddin University Sukkur Campus



Ziauddin University Educational City, Link Road Site



Ziauddin University Islamabad Campus



Green Environment:

Total Area on Campus Covered in Forest Vegetation (meter²):

Ziauddin University is highly focused on green implementation that is why they have developed a horticulture department who is responsible for forest vegetation, planted vegetation and green house plantation etc. They are working day and night to make the environment clean and green. They also make collaboration of ZU with Sindh Forest Department (SFD) which is under the Green Pakistan Programme for Urban Forest Tree Plantation. In this Collaboration SFD will provide environment friendly plants, labor and technical assistance, guidelines and protection of provided plants to the land of Ziauddin University Link Road Site. Ziauddin University is providing their land for the plantation on a large scale. ZU will provide water and proper maintenance to Urban Forestry Plantation.

The total forest vegetation area at Ziauddin University: **172022.20 m² = 36.58%**



Urban Forest Area plantation in Collaboration with Sindh Forest Department





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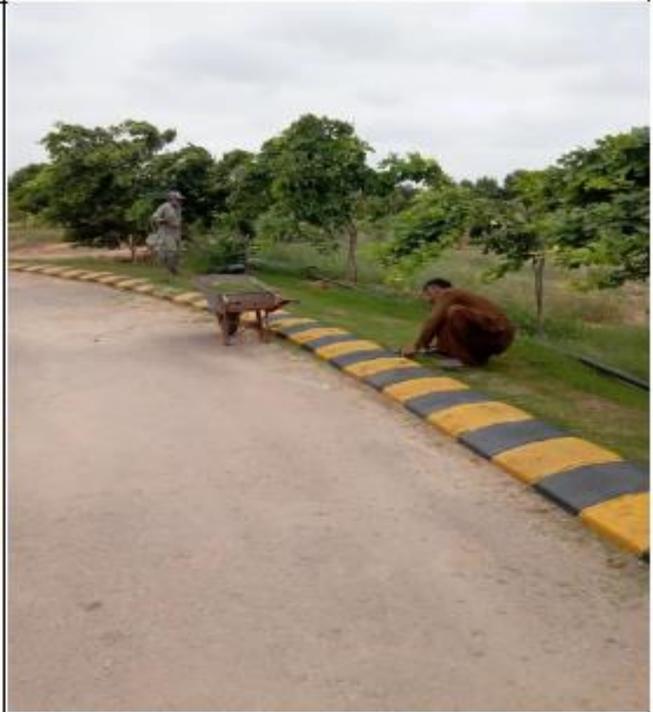


Ziauddin University Urban Forest Vegetation Area



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The total area on campus for water absorption besides forest & planted vegetation is **109508.02 m²** that is around **23.29 %**.





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Total area on campus for water absorption besides the forest and planted vegetation

- Total estimated Population of Ziauddin University is more than 7000 including employees and Students. Hence, total open space divide by total campus population is $> 55 \text{ m}^2/\text{person}$.
- As infrastructure is central to sustainable development therefore, to meet the requirement of sustainable equipment and system the average percentage of University's budget for sustainability effort is 16.41 %.
- Percentage of Operation and Maintenance activities during a year is 100%.



Security and safety facilities

- Ziauddin University provides the following safety and security facilities for each campus and at each site.
- Walk through Scanner is installed at Entrance to avoid any danger at the beginning Hand Scanners are provided at Entrance & Parking for brief checking.
- CCTVs are installed at Entrance Outside and all the corners of the buildings and at each floor.
- 24/7 CCTV & Fire monitoring rooms operating with fully trained and certified firefighters to immediately respond and overcome the situation in less than 10 minutes
- Fire Panels and fully equipped tools and equipment are readily available in stock.
- Emergency online number 4999 is also available with certified personnel to immediately cope the situation. Emergency rooms are available with on time Doctor Consultancy.
- VHF Sets provided to security guards & security officers for quick communication.
- A Passive Fire Extinguisher System is installed in the overall university.
- Smoke Detectors are installed at Each Room & at each floor of university.
- Policy on fire safety is available with Proper SOPs mentioned and revised yearly as per update and requirements.
- Fire safety training and Drill (Demo) conducts several times to train all the employees and staff for emergency situations. In 2022, trainings were conducted at 10th Feb, 17th Feb, 24th May, 21st June and 21st July to cater all the departments of Ziauddin Group.
- Ziauddin University has Collaborated with Sindh Government Rescue for providing security to University's staffs, students and their nearby residents to immediately provide rescue and first aid against any emergency situation such as crime, accidents, fire and natural calamities etc.



Walk through Scanner at Entrance



Hand Scanner at Entrance & Parking



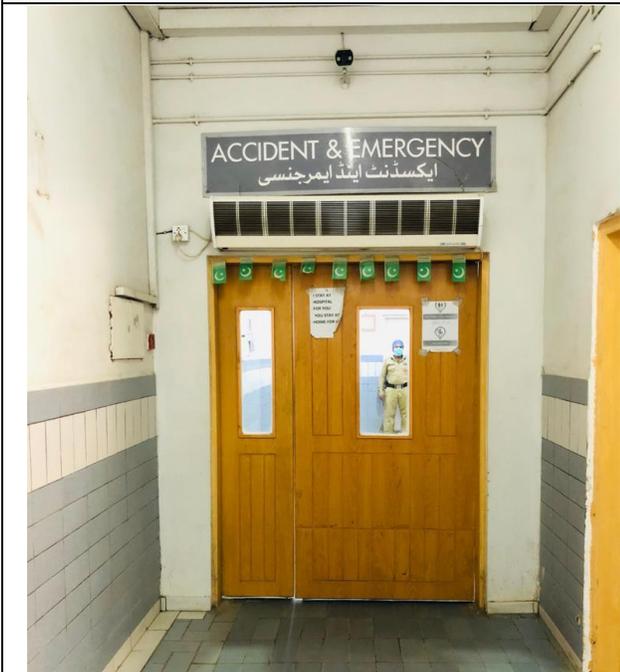
CCTV at Entrance Outside and all the corners of the buildings and at each floor



CCTV Monitoring Room



Fire Equipments



Emergency Room



VHF Sets for quick communication



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Fire Panel



Fire Extinguisher System



Smoke Detectors at Each Room & Floor



Ambulance & Fire Tender, Collaboration with Sindh Govn. Rescue For residents emergency & Safety

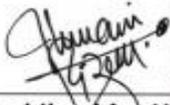


ISO 9001 QUALITY MANAGEMENT

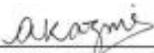
DEPARTMENT OF FIRE FIGHTING

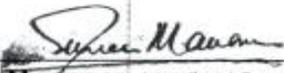
SYSTEM FOR FIRE PREVENTION AND SAFETY

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CONTROLLED DOCUMENT, Q.A.
DR. ZIAUDDIN HOSPITAL
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Fire Safety Training to employee & staff



Health infrastructure facilities

Health & Infrastructure facilities of Ziauddin University are as follows:

1. Ziauddin Group established the following hospitals at three sites in Karachi i.e.: Clifton, Kemari and North Nazimabad, that are as following:
 - Dr. Ziauddin Hospital, North Nazimabad Campus
 - Dr. Ziauddin Hospital, Clifton Campus
 - Dr. Ziauddin Cancer Hospital at North Nazimabad
 - Dr. Ziauddin Hospital KDLB, Keamari Campus
 - Dr. Ziauddin Memorial Hospital at North Nazimabad
 - Boat Basin Executive Clinics at Clifton
2. Ziauddin Group going to establish Dr. Ziauddin Hospital Sukkur & Dr. Ziauddin Medical Centre, Dubai in upcoming years.
3. Ziauddin University provides healthcare and medical benefits to all their academic and non-academic staff and their dependents with full coverage of IPD, OPD, Maternity, accidental and emergency care.
4. Ziauddin University also provides medical facilities to their part-time employees, retired employees, trainees and postgraduate doctors and nursing students.
5. Ziauddin University has developed a Gym & Health & wellness center for their students, staffs and faculty fitness and wellbeing.



Dr. Ziauddin Hospital Kemari



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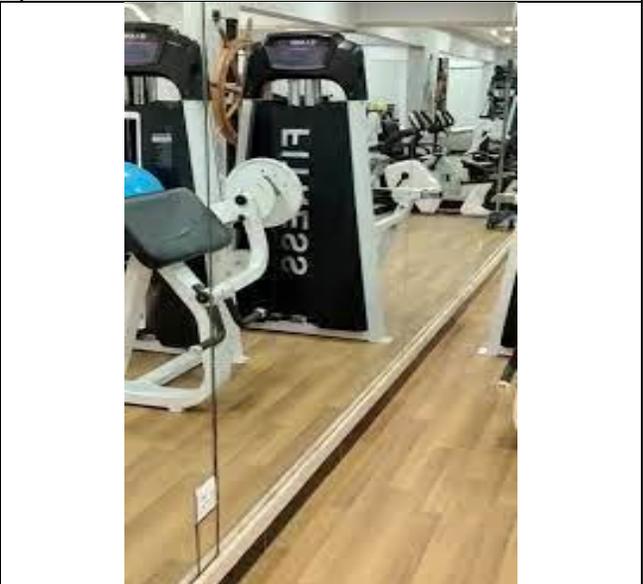
Dr. Ziauddin Hospital Clifton



Dr. Ziauddin Hospital North Nazimabad



ZU Boat Basin Rehab & Executive Clinics



ZU Gym and Health and Wellness Centre