The University of Faisalabad

CONSOLIDATED SUSTAINABILITY & UN SDGS

ASSESSMENT REPORT 2025



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INSTITUTIONAL TRI-CAMPUS PROFILE

Saleem Campus (Female), Amin Campus, and Jinnah Campus Breakdown

The University of Faisalabad operates across three sprawling campuses in Faisalabad, providing world-class infrastructure tailored to specialized academic disciplines and inclusive higher education.

	SALEEM CAMPUS	AMIN CAMPUS	JINNAH CAMPUS
Campus Type & Student Strength	Female-Only, 5,400+ Students	Co-Educational, 3,200+ Students	Postgraduate & Research, 1,400+ Students
Academic Focus Areas	Medicine, Nursing, Pharmacy, Allied Health, Rehabilitation	Engineering, Computer Science, Artificial Intelligence, Business	Law, Social Sciences, Design, Executive Management
Sustainability Highlights	Madinah Teaching Hospital, 'Smart Look' IoT Hub, Rooftop Solar	Central Solar Microgrid, Robot Lab, Water Recycling Plant	Botanical Research Garden, Bio-Composting Unit, EV Station



62%

female student enrollment across all programs

With over 62% female student enrollment across all programs, TUF is a regional champion for SDG 5 (Gender Equality), providing safe, state-of-the-art learning environments equipped with modern residential halls, free shuttle transport, and dedicated research centers.

GOVERNANCE, POLICY FRAMEWORK & DATA CONTROL

UNIT / BODY	HEAD / RESPONSIBLE
SDG Executive Council	Rector, TUF
Green Campus Task Force	Head of Civil Engineering
Community Outreach Wing	Director Welfare / MTH

100%
Policy Compliance

17 Nodes
SDG Department Leads

Bi-Annual
Internal Audits



Rector and Executive Board

- Green Campus Task Force
- Community Outreach Wing

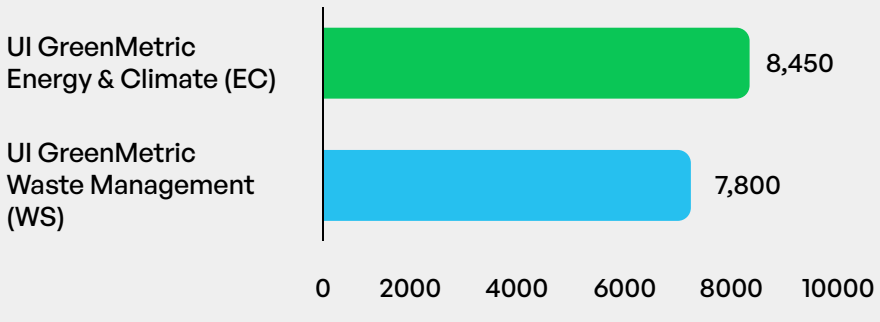
INTERNATIONAL RANKING BENCHMARKS & AUDITS

THE Impact Rankings & UI GreenMetric Performance Index

TUF benchmarks its performance against top global sustainability evaluation frameworks. The table below highlights key metric scores achieved across primary evaluation categories.

FRAMEWORK	CATEGORY	PERFORMANCE	BENCHMARK HIGHLIGHT
THE Impact Rankings	SDG 3: Good Health	Top 200 Globally	Exceeds regional average due to Madinah Teaching Hospital free care.
THE Impact Rankings	SDG 4: Quality Education	Top 300 Globally	High marks for inclusive scholarships and 62% female enrollment.
UI GreenMetric	Energy & Climate (EC)	8,450 / 10,000 Pts	76.05% solar power integration ranks in top 10% worldwide.
UI GreenMetric	Waste Management (WS)	7,800 / 10,000 Pts	3R circular economy and bio-composting unit praised.

TUF Empirical Benchmarks: Key Performance Indicators



Top **200** Globally

Top **300** Globally

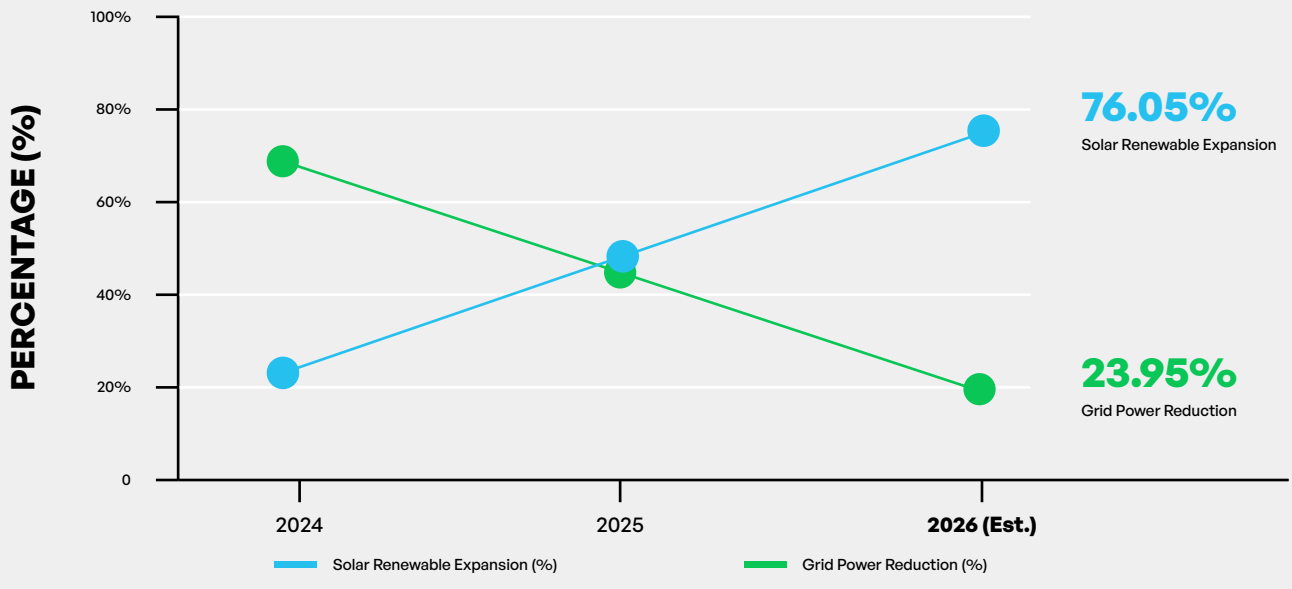
QUANTITATIVE ENERGY PERFORMANCE & SOLAR TRANSITION

SDG 7 Clean Energy Integration & Rooftop Solar Trajectory

TUF has executed a major energy transition strategy, installing multi-megawatt rooftop solar photovoltaic systems across all three campuses to minimize fossil fuel dependency.

76.05% Solar Power Ratio	**3.2 MWp** Total Solar Capacity	**23.95%** Grid Reliance Target	**100%** LED Smart Lighting

TUF Energy Transition: Grid Power Reduction vs. Solar Renewable Expansion





CARBON FOOTPRINT PLUNGE & EMISSIONS MITIGATION

SDG 13 Climate Action & Scope 1, 2, 3 CO2 Abatement

Through renewable power generation, energy-efficient building shells, and electric shuttle buses, TUF has reduced its total carbon emissions by **74.4%** since the 2024 baseline audit.

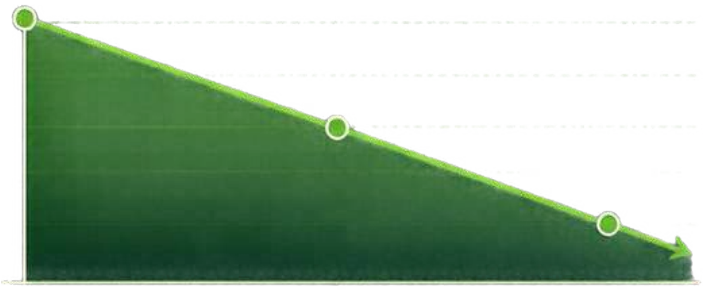
-74.4%
Total CO2 Cut

1,240 MT
2026 Net Carbon

100%
Hybrid Shuttle Fleet

Net-Zero '30
Target Year

Carbon Footprint Plunge: Metric Tons CO2e



74.4%

reduction since the 2024 baseline audit

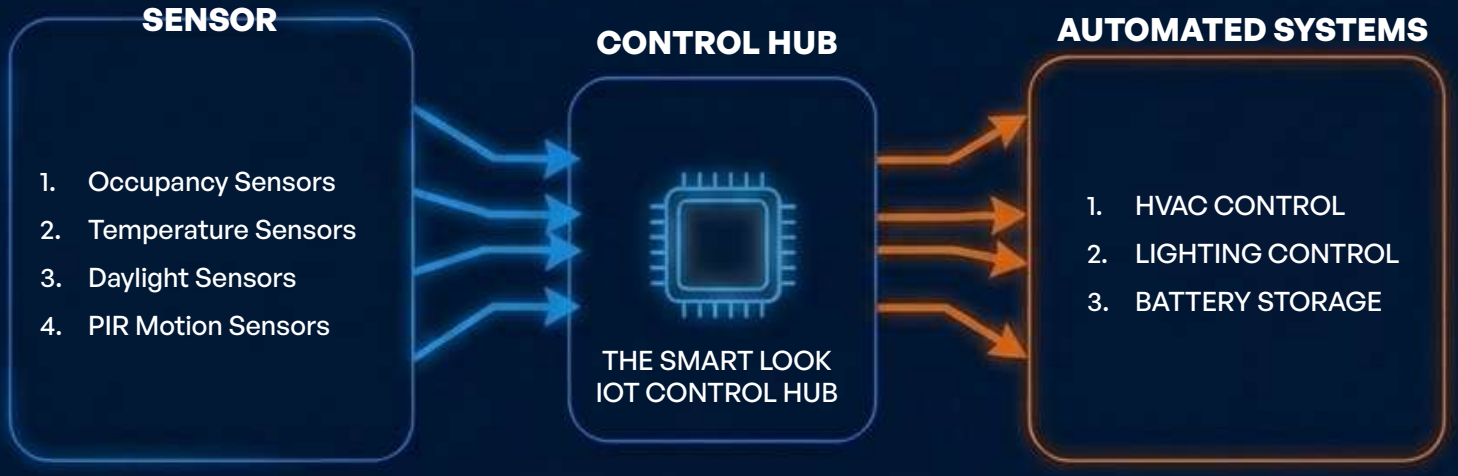


'THE SMART LOOK' IOT BUILDING AUTOMATION

SDG 9 Industry, Innovation & Smart Campus Infrastructure

Developed in-house by TUF's Department of Electrical Engineering, 'The Smart Look' is an IoT-based building management system that automatically regulates HVAC, lighting, and power loads based on real-time occupancy and ambient temperature sensors.

IoT Module	Sensor Deployment	Energy Savings Impact
Smart HVAC Control	180 Occupancy & Temp Sensors	32% energy reduction in lecture halls and auditoriums.
Automated Lighting	350 Daylight/PIR Motion Sensors	28% reduction in hallway and office lighting consumption.
Peak Load Shifting	Smart Grid Controllers	Prevents grid surge charges by activating battery storage.





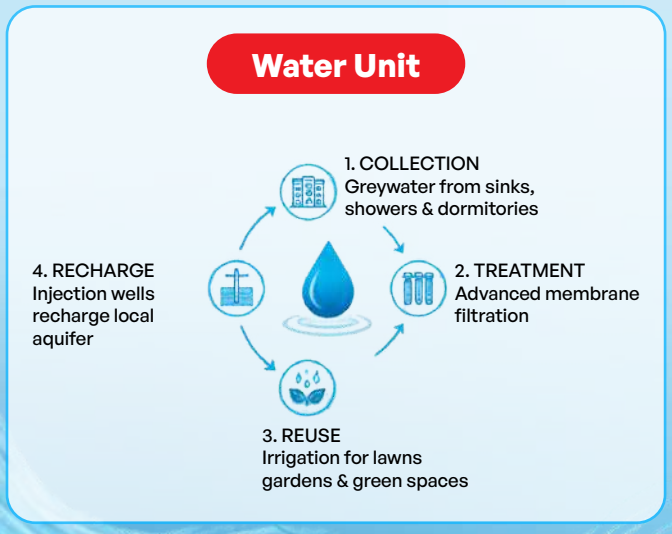
WATER STEWARDSHIP & RECYCLING INFRASTRUCTURE

SDG 6 Clean Water, Sanitation & Groundwater Recharge

Developed in-house by TUF's Department of Electrical Engineering, 'The Smart Look' is an IoT-based building management system that automatically regulates HVAC, lighting, and power loads based on real-time occupancy and ambient temperature sensors.

100%	45,000 L/D	12	100%
Wastewater Treated	Greywater Recycling	Injection Groundwater Wells	RO Pure Drinking Water

Water Unit	Capacity / Tech	Beneficiary / Output
Greywater Filtration Plant	50,000 Liters / Day (Membrane)	Campus lawns, botanical garden & sports fields.
Rainwater Harvesting Pit	12 Deep Injection Wells	Recharging Local Faisalabad aquifer during monsoon.
	15 High-Capacity Units	Free purified drinking water for all students & staff.





CIRCULAR ECONOMY, WASTE MANAGEMENT & BIO-FARM

SDG 12 Responsible Consumption & Production

TUF enforces strict waste segregation at source across all departments, dormitories, and dining facilities. Organic waste is diverted to the university's bio-composting unit, which supplies nutrient-rich organic fertilizer to campus green spaces.



88.5%	100%	ZERO	100%
Paperless Admin	Organic Waste Composted	Single-Use Plastics Policy	Safe Medical Bio-Waste

Hazardous & Medical Waste Protocol

Medical waste generated at Madinah Teaching Hospital (MTH) is segregated in color-coded bins and processed using high-temperature eco-friendly autoclaves and incinerators in strict compliance with Punjab Environmental Protection Agency (EPA) standards.



SDG 1:
NO POVERTY

Madinah Free Langer, Khud Mukhtar Financial Assistance & Tuition Subsidies

Rs. 120M+
Financial Aid Annually

100%
Free Need-Based Scholarships

4,500+
Families Supported

TUF's flagship 'Khud Mukhtar' program provides tuition assistance and vocational skill training to underprivileged youth, ensuring financial status never hinders higher education.

SDG 1 EMPIRICAL IMPLEMENTATION INDEX: 92.5% COMPLETE



SDG 2:
ZERO HUNGER

Madinah Free Langer & Student Sustainable Agricultural Research

2500+
Free Meals Daily

100%
Organic Campus Produce

12
Researches Agri-Tech Papers

Madinah Free Langer provides nutritious meals twice daily to hospital patients, workers, and needy community members. TUF's Department of Agronomy conducts bio-fortification research.

SDG 2 EMPIRICAL IMPLEMENTATION INDEX: 92.5% COMPLETE



SDG 3:

GOOD HEALTH & WELL-BEING

SDG 3 serves as TUF's flagship institutional pillar through the operation of the 600-bed Madinah Teaching Hospital (MTH) and extensive mobile health outreach in rural Punjab.

OUR KEY HEALTH INITIATIVES

1. **100% Free Tertiary Care at MTH:**

   Provides completely free outpatient consultations, inpatient admissions, surgical procedures, diagnostic imaging (MRI/CT), and medicines to indigent patients.

2. **Rural Mobile Camps (18-Hazari Jhang):**

   Mobile medical and ophthalmic teams deploy to remote suburban zones, conducting free cataract surgeries, dental checkups, and general health screenings.

3. **Specialized Clinical Workshops:**

   Regular hands-on medical training on Pediatric Cardiac Arrest, Oncoplastic Breast Surgery, and Myopia Management for health professionals.

4. **Public Health Awareness Campaigns:**

   University-wide drives on Breast Cancer Awareness, Thalassemia Screening, Hepatitis B/C Prevention, and voluntary blood donation

IMPACT OVERVIEW

MTH treats over 1,000 patients daily at zero cost. Over 15,000 rural citizens benefited from free mobile medical camps during the 2025–2026 reporting period.



SDG 4:
QUALITY EDUCATION

TUF ensures inclusive, equitable quality education through Outcome-Based Education (OBE) accreditedity, faculty development, and specialized digital literacy initiatives for marginalized groups.



95%+

of faculty members have completed advanced pedagogical workshops on digital teaching tools, micro-learning modules, and interactive assessment design.

1 3rd International STEAM Conference (ICASE 2025):

Flagship academic convention bringing together global researchers to connect STEAM disciplines with sustainable development challenges.

2 Visually Impaired IT Training (PATF Partnership):

Dedicated computer laboratory equipped for screen-reader technology providing free digital skills training for visually impaired students.

3 100% OBE Implementation:

All undergraduate engineering, health science, and business degree programs operate under certified Outcome-Based Education frameworks.

4 Google Career Certificate Integration:

Embeds industry-recognized digital certificates (AI, Data Analytics, Cybersecurity) directly into student degree roadmaps.





SDG 5:
GENDER EQUALITY

With Saleem Campus dedicated exclusively to female education, TUF stands as a prominent regional champion for empowering women in higher education, scientific research, and clinical leadership.

HAVVA 2025 Summit ('Her Story, Her Glory'):

Major annual national summit celebrating female scientists, corporate leaders, entrepreneurs, and community champions.

Women Empowerment Society:

Student-led body organizing leadership bootcamps, legal rights seminars, and career mentorship sessions with prominent female role models.

Listening Club & Counseling Services:

Confidential psychosocial support, mental health counseling, and career guidance tailored for female students and faculty.

High Female Leadership Ratio:

Women hold key administrative appointments, including Deans, Heads of Departments, and Research Directors across all campuses.



58.4%

Female students represent 58.4% of total university enrollment, supported by dedicated female transport fleets, secure on-campus housing, and leadership incubators.



SDG 6:

CLEAN WATER & SANITATION

TUF ensures sustainable water management across all facilities while engaging in community water auditing and public sanitation education.

Greywater Irrigation Grid:

On-site filtration plants treat over 100,000 gallons of hostel and ablution greywater monthly for campus gardens and tree belts.

Bi-weekly Potable Audits:

Independent laboratory testing of multi-stage RO drinking water filtration units guarantees 100% safety compliance.

JICA Water Treatment Exposure:

Experiential field trips for engineering students to municipal water treatment facilities to study urban filtration design.

Sanitation Hygiene Drives:

Student volunteers conduct hygiene awareness workshops in rural primary schools, distributing soap and clean water kits.



Ultrasonic water meters and aerated faucets have reduced total campus municipal water draw by

28% despite student body expansion.

SDG 7:

AFFORDABLE & CLEAN ENERGY

TUF acts as a regional clean energy benchmark by expanding on-site rooftop solar PV arrays and utilizing solar thermal technology for campus heating requirements.

76.05% Renewable Electricity Mix:

Generated 4,133,252 kWh out of 5,434,970 kWh total energy consumed in 2026 via clean rooftop solar arrays.

Solar Thermal Hot Water Systems:

Rooftop solar thermal collectors supply 100% of winter hot water requirements across all student dormitories.

Solar-Powered Water Pumping:

Deep aquifer groundwater pumps operate on dedicated off-grid solar arrays, reducing diesel generator reliance.

'Turn It Off' Energy Pledges:

Student-led campus campaigns promoting energy-conscious behaviors in classrooms and dormitories.

Solar energy generation avoided over 1,093 MT of CO_2 emissions in 2026 alone, saving substantial financial resources re-invested into student scholarships.



SDG 8:

DECENT WORK & ECONOMIC GROWTH



TUF drives regional economic growth by fostering graduate employability, corporate industry links, and executive legal dispute resolution training.

Corporate Placement MoUs:

Formal hiring partnerships signed with NetixSol, M.K. Sons, Zong 4G, and the Faisalabad Chamber of Commerce.

Alternative Dispute Resolution (ADR) Workshops:

Hosted by IMAC, providing executive corporate training in mediation and arbitration to foster smooth commerce.

Fair Employment Standards:

100% compliance with minimum wage laws, healthcare coverage via MTH for all staff, and safe workplace protocols.

NBS Global Sustainable Dialogue:

International business symposium addressing green business models, ethical supply chains, and circular economy opportunities.





88.5%

of TUF graduates secure professional employment or enroll in advanced postgraduate degree programs within 6 months of graduation.

SDG 9:

INDUSTRY, INNOVATION & INFRASTRUCTURE

TUF fosters technological entrepreneurship and resilient infrastructure through startup championships, IoT development, and dedicated business incubators.

See Pakistan Start-Up Championship:

National platform bringing together over 100 student tech teams presenting viable business models to venture capitalists.

Innovative Lyallpur 3.0 Hackathon:

Regional competition driving student projects in AI, IoT, fintech, clean-tech, and sustainable agriculture.

iSHOP Business Incubator:

On-campus commercial incubator providing seed funding, legal advisory, and office space for student startups.

'The Smart Look' In-House Innovation:

Proprietary IoT classroom management platform designed entirely by TUF faculty and software engineering students.



12 student startups were successfully incubated at iSHOP during 2025-2026, securing initial commercial seed funding and regional industry mentorship.



SDG 10:
REDUCED INEQUALITIES

TUF promotes social, economic, and physical inclusion for marginalized groups, special-needs students, and vulnerable community sectors.

100% Barrier-Free Campus Infrastructure:

All campus buildings feature wheelchair ramps, elevators, tactile pathways, and accessible restrooms.

Community Welfare Partnerships:

Regular financial, educational, and medical resource distribution to SOS Village, EILYA Care Foundation, and Syeda Khatoon-e-Jannat Trust.

Special-Needs Inclusive IT Kiosks:

Screen-reader enabled computing stations designed specifically for visually impaired learners.

Equal Opportunity Admissions:

Non-discriminatory admissions and hiring policies based strictly on merit, regardless of background or socio-economic status.

100%

of campus academic blocks meet international accessibility standards, ensuring complete mobility independence for disabled staff and students.





SDG 11:

SUSTAINABLE CITIES & COMMUNITIES

TUF contributes to civic safety, urban mass transit efficiency, and local community resilience across the Faisalabad metropolitan area.

City Traffic Police Road Safety Drives:

Joint workshops on motorcycle helmet compliance, defensive driving, and traffic rule adherence.

Low-Carbon Green Bus Mass Transit:

Dedicated bus fleet carries over 80% of commuting female students, reducing urban traffic congestion.

Disaster Relief Mobilization:

Student volunteer teams collect and distribute emergency medical supplies and food packs to flood-affected communities.

Public Cultural & Green Spaces:

University green lawns and botanical gardens serve as urban carbon sinks within the Faisalabad industrial belt.

The Green Bus network removes over

1,200

individual private vehicle trips from Faisalabad roads daily, cutting urban smog emissions.





SDG 12:

RESPONSIBLE CONSUMPTION & PRODUCTION

TUF enforces sustainable resource management through plastic bans, digital administrative workflows, and creative upcycling initiatives.

Single-Use Plastic Eradication:

Board of Governors mandate prohibiting plastic water bottles, disposable cutlery, and polythen bags.

82% Paperless Administration:

Full deployment of digital ERP, online assignment portals, and biometric entry turnstiles.

Creative Interior Upcycling:

Upcycled discarded paint buckets into cushioned lounge seating and plastic bottles into vertical planter walls.

Hazardous Medical Waste Incineration:

Strict segregation and high-temperature certified incineration of Madinah Teaching Hospital clinical waste.

Achieved a **92%** disposable plastic usage following the official Board of Governors prohibition ordinance.





SDG 13:
CLIMATE ACTION

TUF actively combats atmospheric smog, tracks greenhouse gases in real-time, and promotes regional climate resilience through strategic partnerships.

KEY EMPIRICAL ACHIEVEMENTS & INITIATIVES

Real-Time Air Quality Monitoring

Advanced sensor arrays track PM2.5 (~274.8 µg/m^3 peak smog), PM1, and CO2 telemetry 24/7.

Punjab EPA Anti-Smog Gun Deployment

Industrial misting guns operate on campus perimeters to suppress winter smog particulates.

World Environment Day Pledges

Organized joint environmental rallies and pledges with WWF-Pakistan and EPA Punjab.

Climate Adaptation Curricula

Academic modules educating students on carbon offset mechanisms, thermal building design, and renewable energy transition.





Multi-year campus carbon emissions plunged

74.4% (from 4,611 MT to 1,178 MT), demonstrating real-world institutional climate mitigation.

SDG 14:

LIFE BELOW WATER

TUF pioneers biotechnology research in aquatic pollutant degradation and microalgae carbon capture systems to protect water ecosystems.

Liquid Tree Photobioreactor Project:

On-campus microalgae column capturing atmospheric CO2 at 10x the rate of terrestrial trees while generating bio-oxygen.

Microplastic Biodegradation Research:

Biotechnology studies presented at ICASE 2025 investigating enzymatic breakdown of aquatic microplastics.

Wastewater Effluent Neutralization:

Campus wastewater is pre-treated to eliminate toxic chemical runoff before entering municipal drainage channels.

Aquatic Ecosystem Seminars:

Educational workshops highlighting the impact of industrial runoff on riverine biodiversity in Punjab.

The Liquid Tree photobioreactor serves as a live open-air laboratory for biotechnology students studying microalgae cultivation and wastewater purification.



SDG 15:
LIFE ON LAND

TUF expands campus urban forest cover, preserves native soil biodiversity, and enforces zero-pesticide organic horticultural policies



ALPHA TUF & Go Green Plantation Drives

Planted over 1,600 native tree saplings across campus green belts and regional zones.

94% Sapling Survival Rate

Dedicated horticultural teams utilize organic soil beds and drip irrigation to ensure long-term tree maturity.

Zero Synthetic Pesticide Policy

Campus lawns and botanical gardens strictly utilize organic compost and biopesticides.

Student Afforestation Competitions

Inter-departmental competitions rewarding student teams for nurturing assigned campus tree lots.



1,600+

MATURE TREES & SAPLINGS

Urban habitat for local avian species, enhancing campus ecological diversity.

SDG 16:

PEACE, JUSTICE & STRONG INSTITUTIONS

TUF models institutional transparency, legal rights education, ethical governance, and scholarly discourse on legal frameworks.

KEY INITIATIVES

International Conference on Islamic Law & Human Rights:

National platform bringing together over 100 student tech teams presenting viable business models to venture capitalists.

Ethics in AI & Research Workshops:

Faculty seminars establish strict ethical guidelines for AI use in academic research and grading.

Transparent Institutional Governance:

Annual financial audits, QEC reports, and student rights charters are published transparently.

Student Rights & Anti-Harassment Committees:

Active Ombudsman offices enforce zero-tolerance policies against workplace or campus harassment.



100% SOP-LED DECISIONS

Academic and administrative decisions operate under published SOPs overseen by independent Senate and Syndicate bodies.

SDG 17:
PARTNERSHIPS FOR THE GOALS

TUF maintains 36+ active international MoUs and strategic alliances with global universities, government agencies, and environmental NGOs.

KEY PARTNERSHIP EXAMPLES

Universiti Sains Malaysia (USM)
Joint Research & Academic Exchange

Selçuk University
Faculty Exchange & STEAM Seminars

Shinawatra University
International Business Dialogues

Al-Aqsa University
Educational Relief & Academic Aid

EPA Punjab & WWF-Pakistan
Smog Control & Climate Action Drives

TUF officially pledges to achieve a 100% Net-Zero operational carbon footprint and zero-waste landfill status by 2030.

36
ACTIVE INTERNATIONAL MOUS

90%
SOLAR GRID TRANSITION TARGET

Net Zero 2030
COMMITMENT