

**DHA SUFFA UNIVERSITY**

*Learn to Discover*



**ANNUAL SUSTAINABILITY REPORT**

**January – December 2025**

Issued by

**Centre for Sustainability**

DHA Suffa University, Karachi

## About DHA Suffa University

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DHA Suffa University (DSU) is a non-profit private sector university located in Karachi, Pakistan. Established under a charter granted by the Government of Sindh in 2002 and operational since 2012, the University is committed to academic excellence, research, innovation, and the development of socially responsible graduates. DSU is recognized by the Higher Education Commission (HEC) of Pakistan and offers undergraduate, graduate, and doctoral programs across Engineering and Applied Sciences, Computing and Information Technology, Management Sciences, and Humanities and Social Sciences.

Guided by its vision "to become a globally recognized institution of higher education and research", DHA Suffa University strives to achieve the highest standards in teaching, learning, research, and community engagement. The University promotes an environment that encourages innovation, ethical leadership, interdisciplinary collaboration, and lifelong learning while contributing to national development through quality education and impactful research.

The University operates from its Main Campus in DHA Phase VII Extension, Karachi, and its DHA City Karachi (DCK) Campus, providing modern academic facilities, laboratories, libraries, innovation spaces, sports facilities, and student support services. These campuses provide an enabling environment for teaching, research, entrepreneurship, and professional development.

Recognizing the increasing importance of sustainable development in higher education, DHA Suffa University has progressively integrated sustainability into its institutional priorities through teaching, research, campus operations, community engagement, and partnerships. During 2025, the University strengthened its commitment by expanding sustainability-related academic activities, promoting environmental awareness, supporting responsible resource management, and enhancing stakeholder engagement. These efforts culminated in the establishment of the Centre for Sustainability, which serves as the University's focal platform for advancing sustainability initiatives, promoting the United Nations Sustainable Development Goals (SDGs), and fostering collaboration with academia, industry, government, and the wider community.

As reflected throughout this Sustainability Report, DHA Suffa University remains committed to creating lasting environmental, social, and economic value while preparing future graduates to become responsible leaders capable of addressing local and global sustainability challenges.

## Message from the Vice Chancellor

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Over the past year, DHA Suffa University has further strengthened its commitment to environmental sustainability, social responsibility, and good governance across both our Main Campus and DHA City Karachi (DCK) Campus. Through meaningful initiatives in sustainable campus operations, community engagement, quality education, impactful research, and industry collaboration, we have continued to integrate sustainability into the core of our academic and institutional activities. Our students, faculty, and staff have collectively demonstrated that sustainability is not merely an initiative but a shared responsibility and a guiding principle that shapes our teaching, research, and engagement with society.

As we look ahead, DSU remains committed to aligning its institutional priorities with the UN Sustainable Development Goals and to benchmarking its progress against international frameworks. We will continue to invest in greener infrastructure, responsible resource use, inclusive education, and community engagement, so that DSU graduates leave not only with professional competence but with a genuine sense of responsibility toward the planet and the people they will serve.

I thank our faculty, staff, and students for their continued enthusiasm and commitment to this shared journey, and I look forward to even greater progress in the year ahead.

**Prof. Dr. Ahmad Saeed Minhas**

*Vice Chancellor, DHA Suffa University*

## Message from the Director, Centre for Sustainability

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On behalf of the Centre for Sustainability, I am pleased to share DHA Suffa University's Sustainability Report covering January to December 2025. This report reflects a year of consolidation bringing together initiatives that were already underway across our faculties, directorates, and student societies, and aligning them with a coherent institutional sustainability agenda.

Throughout 2025, our students and faculty led and participated in environmental conservation drives, tree-plantation campaigns, beach clean-ups, and awareness activities, while our academic departments continued to embed sustainability, climate change, and ethical research practice into coursework, seminars, and publication standards. Our Community Support Program and Directorate of Community Services and Social Responsibility (CSR) remained active throughout the year in connecting the campus with the communities of DHA and greater Karachi.

The Centre for Sustainability was tasked this year with building the institutional scaffolding needed for credible, data-driven reporting mapping our activities against recognized frameworks. This report is a first comprehensive step in that direction, and it will serve as the baseline against which we measure progress in the years ahead.

We are thankful to the Deans and faculty members who contributed activities and research data and student societies for their tireless fieldwork, and to the Quality Enhancement Cell (QEC) for its support to sustainability-related research. Most of all, I thank our students, whose energy and conviction are the real engine behind everything captured in this report.

We present this report not as a finished record, but as a living commitment one that the Centre for Sustainability will continue to build upon, refine, and expand in the years to come.

**Dr. Rabia Mumtaz**

*Director, Centre for Sustainability, DHA Suffa University*

## **Our Faculties and Sustainability-Oriented Programs**

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DHA Suffa University delivers its academic programs through four faculties. Sustainability themes environmental, economic, and social are progressively being embedded into curricula, course content, final-year projects, and research across all four, in line with DSU's broader institutional commitment.

### **Faculty of Engineering and Applied Sciences (EAS)**

Comprises the Departments of Mechanical Engineering, Electrical Engineering, and Civil Engineering, BS Computer Engineering Technology, and Basic Sciences. Final-year design projects in mechanical, electrical, civil engineering and architecture increasingly address energy efficiency, renewable energy integration, sustainable construction materials, water management, and green building design all directly relevant to the campus's own infrastructure and climate goals.

### **Faculty of Computing and Information Technology (FC&IT)**

Comprises the Departments of Computer Science, Software Engineering, and Information Technology, offering programs including BS Computer Science, BS Software Engineering, BS Cyber Security, BS Artificial Intelligence, and BS Data Science. Thesis, Coursework and capstone projects are increasingly applied to environmental and resource-monitoring problems, supporting the University's wider data-driven approach to sustainability reporting.

### **Faculty of Management Sciences (FMS)**

Offers the BBA, Business Analytics & Programming, BS Accounting & Finance, BS Financial Technology, MBA, MS, and PhD Management Sciences programs. The faculty has been a particularly active contributor to the University's sustainability agenda: courses such as Climate Change and Sustainability in Pakistan engage students directly in environmental fieldwork (including beach clean-up and awareness drives), while faculty research addresses Green Human Resource Management, sustainable financial performance, and sustainable digital marketing connecting sustainability theory with practical, publishable research.

### **Faculty of Humanities and Social Sciences (FHSS)**

Includes the Department of Psychology and the Department of Humanities and Social. This Faculty contributes the social and behavioral dimension of sustainability from psychological wellbeing and community resilience to the international-relations dimensions of climate policy and global environmental governance themes increasingly woven into seminars, electives, and student research.

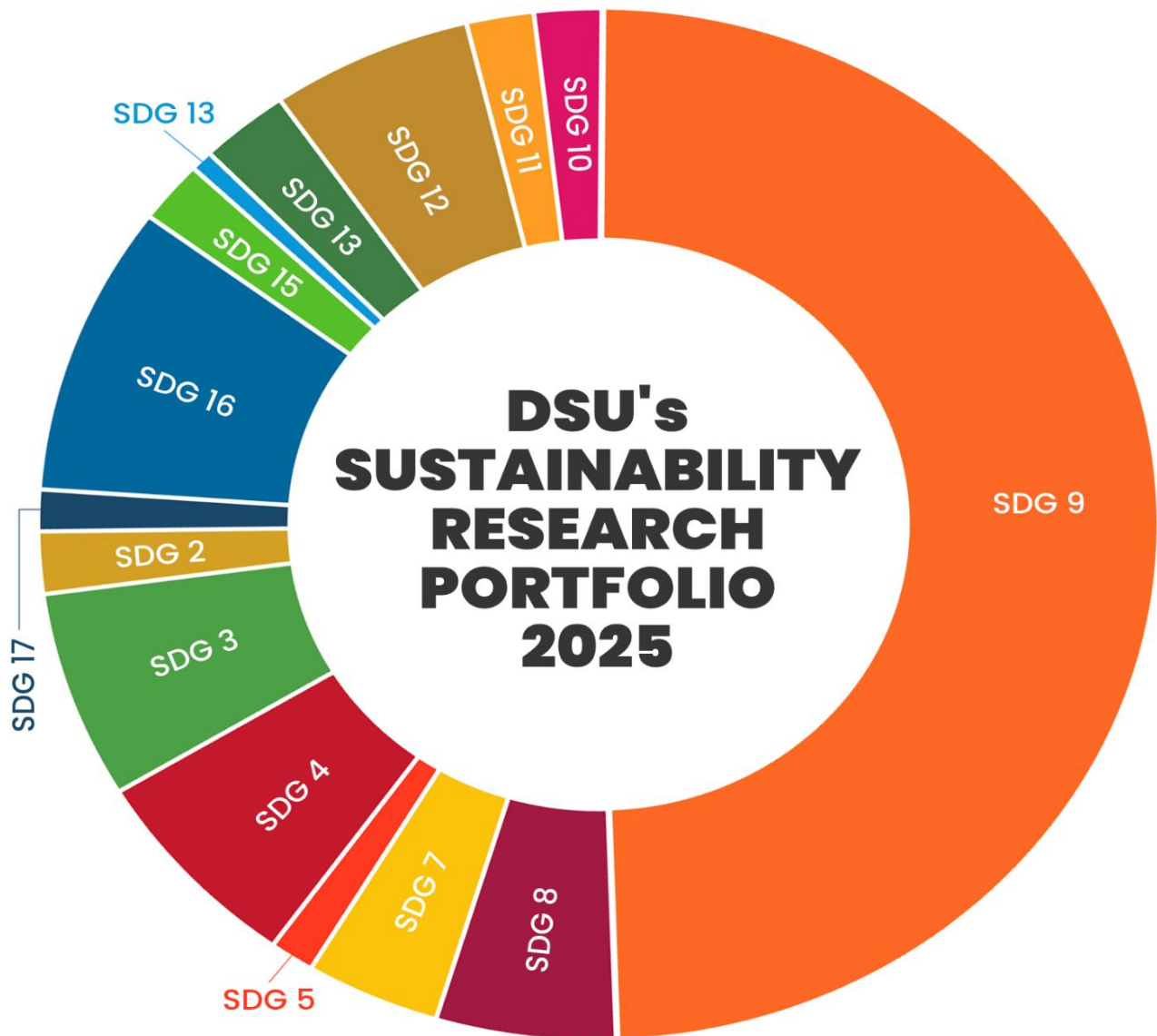
## Strategic Sustainability Initiative

Strategic Sustainability Initiative	Key Achievements (2025)	Contribution to Sustainability
<b>Digital Transformation &amp; Paperless Campus</b>	Implementation of an integrated ERP system and promotion of digital documentation and workflows to reduce paper consumption.	Improved operational efficiency, digital governance, and resource conservation.
<b>Renewable Energy Transition</b>	Installation of solar energy systems at both the Main Campus and DHA City Karachi (DCK) Campus.	Reduced dependence on conventional energy and promoted clean energy adoption.
<b>Investment in SDG-Focused Research</b>	Approximately 90% of research publication are aligned with SDGs, it received internal research reward. Further, PhD students also received internal grants for research,	Strengthened sustainability research and innovation to address environmental, social, and economic challenges.
<b>Sustainability Awareness &amp; Behavior Change</b>	Initiatives promoting responsible energy use, water conservation, waste reduction, and environmental awareness among students and staff.	Encouraged sustainable behavior and responsible resource consumption across the University.
<b>Sustainable Transportation</b>	Expansion of mass transportation services for students and staff.	Reduced transport-related emissions and promoted sustainable mobility.
<b>Campus Greening Initiative</b>	Plantation of more than 1,000 trees and ornamental plants across both campuses.	Enhanced biodiversity, increased green spaces, and supported carbon sequestration.
<b>Sustainability Governance</b>	Strengthened sustainability planning through institutional policies, reporting, and the establishment of the Centre for Sustainability.	Integrated sustainability into governance, teaching, research, and campus operations.
<b>SDG Integration in Curriculum</b>	Expanded sustainability-related courses and integrated SDG concepts across academic programs.	Enhanced students' sustainability knowledge and competencies.
<b>Industry &amp; Community Partnerships</b>	Strengthened collaborations with government agencies, NGOs, industry, and community organizations to deliver sustainability projects and outreach activities.	Promoted knowledge exchange, innovation, and community impact.
<b>Student Sustainability Engagement</b>	Student-led plantation drives, clean-up campaigns, innovation projects, sustainability workshops, and community service initiatives.	Developed leadership, environmental stewardship, and civic responsibility among students.

### Research Aligned with the United Nations Sustainable Development Goals (UN SDGs) ( January – December 2025)

DHA Suffa University is committed to conducting research that contributes to the United Nations Sustainable Development Goals (UN SDGs). Through interdisciplinary and applied research, the University addresses key environmental, social, and economic challenges while generating knowledge that supports sustainable development and informed decision-making.

During the reporting period (January–December 2025), faculty members published research aligned with one or more SDGs. The following table presents the University's research publications and their corresponding SDG alignment, demonstrating DHA Suffa University's contribution to advancing the 2030 Agenda for Sustainable Development.



### Publications by DSU Faculty Members from January to December 2025

Sr. No	Title of Publication	SDGs Mapping
1	Human Factor and Cyber Security: Discovering the Correlation between Security Attitudes and Behavioral Intentions to Perform Security linked Behaviors	SDG 8 (Decent Work and Economic Growth), SDG 9 (Industry, Innovation and Infrastructure), SDG 16 (Peace, Justice and Strong Institutions)
2	Combine effect of fly ash and aggregate size on flexural strength of reinforced concrete	SDG 9 (Industry, Innovation and Infrastructure), SDG 11 (Sustainable Cities and Communities), SDG 15 (Life on Land)
3	Analytical Appraisal of the 2024 Iran-Israel Conflict and Chances of Global Escalation	SDG 16 (Peace, Justice and Strong Institutions), SDG 17 (Partnerships for the Goals)
4	Laplace Adomian decomposition method for integro differential equations on time scale	SDG 9
5	Decoding willingness to buy in live-streaming retail: The application of stimulus organism response model using PLS-SEM and SEM-ANN	SDG 8 (Decent Work and Economic Growth), SDG 12 (Responsible Consumption and Production)
6	Reinforcement Learning-Based Current Compensation for Brushless Doubly Fed Induction Generators Under Transient- and Low-Voltage Ride-Through Faults	SDG 9 (Industry, Innovation and Infrastructure)
7	Dynamic smart contracts framework on Ethereum private blockchain for real estate management	SDG 9 (Industry, Innovation and Infrastructure), SDG 11 (Sustainable Cities and Communities)
8	Effectual Entrepreneurial Intent among University Students in Pakistan	SDG 4 (Quality Education), SDG 8 (Decent Work and Economic Growth)
9	Navigating Artificial Intelligence and Project Success: Insights from Information Technology Sector in Pakistan	SDG 9 (Industry, Innovation and Infrastructure)
10	Autoencoder-Integrated WideResNet with Dynamic Optimization (AIW-DynOpt): A Novel Hybrid Deep Learning Approach for Head and Neck Cancer Gene Expression Analysis	SDG 3 (Good Health and Well-being), SDG 9 (Industry, Innovation and Infrastructure)
11	Enabling Techniques for the Internet of Things: An Information Processing Perspective	SDG 9 (Industry, Innovation and Infrastructure)
12	Connected Health Insights for Sustainable Development: Integrating IoT, AI, and Data-Driven Solutions	SDG 3 (Good Health and Well-being), SDG 9 (Industry, Innovation and Infrastructure)
13	The Effect of Duration of Social Media (Videos) on Self-Esteem	SDG 9
14	Durability Performance of OPC and LC3-50 Concrete Containing Lightweight Aggregates	SDG 11 (Sustainable Cities and Communities)
15	Examining the behavioral determinants of AI adoption in higher education: a focus on perceptual factors and demographic differences	SDG 4 (Quality Education), SDG 9 (Industry, Innovation and Infrastructure)
16	Impact of Sustainable Development Goals (SDGs) on Quality Education Impacting other SDGs in Pakistan Higher Education Institutions: Moderation and Mediation of Resource Slack and Shared Vision Capability	SDG 4 (Quality Education)
17	Synthesizing realistic images for improved early detection of novel pandemics: A GAN enabled approach	SDG 9
18	Blockchain-Based, Dynamic Attribute-Based Access Control for Smart Home Energy Systems	SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure)

19	Skin Acne Skin Disease Classification By Using Fine Tuned Convolutional Neural Network	SDG 3 (Good Health and Well-being), SDG 9 (Industry, Innovation and Infrastructure)
20	Eczema Classification Using Modified Convolutional Neural Network Resnet – 50	SDG 9 (Industry, Innovation and Infrastructure)
21	Smart Attendance Management System with Facial Recognition, Physical Presence Verification, and Centralized Database Integration	SDG 9
22	Adoption Factors Impacting Human Resource Analytics Among Human Resource Professionals In Karachi, Pakistan	SDG 9
23	Antecedents That Affect Change In Organizational Performance	SDG 9
24	Career Change: The Role of Society and Personal Choice	SDG 8 (Decent Work and Economic Growth)
25	Strategic HR and Inclusive Culture: Dual Drivers of Employee Performance	SDG 9
26	Nurturing Knowledge: The Role of Organizational Environment and Citizenship Behavior	SDG 13 (Climate Action), SDG 16 (Peace, Justice and Strong Institutions)
27	Empowered to Commit: Unpacking The Role of Enabling Control and Employee Empowerment	SDG 5 (Gender Equality)
28	Impact of Psychological Factors on Employee Well-Being and Employee Performance with the Moderating Effect of Job Satisfaction: An Empirical Evidence from Pakistan Healthcare Industry	SDG 3 (Good Health and Well-being), SDG 9 (Industry, Innovation and Infrastructure)
29	Towards Investigating Innovation Perceptions of Leaders in the ICT Sector of Pakistan	SDG 9 (Industry, Innovation and Infrastructure)
30	Exploring The Impact Of Succession Planning On Digital Marketing Innovation: The Mediating Role of Marketing Adaptability	SDG 9 (Industry, Innovation and Infrastructure)
31	Sustainable SMEs in Emerging Markets: A Review of the Role of Green Human Resource Management Practices in Achieving Sustainable Performance	SDG 9
32	Artificial Intelligence and High-Performance Work Systems in Manufacturing: Examining A Moderated Mediation Framework	SDG 8 (Decent Work and Economic Growth), SDG 9 (Industry, Innovation and Infrastructure)
33	Blockchain-Driven E-Voting: Enhancing Security and Integrity with Smart Contracts	SDG 9 (Industry, Innovation and Infrastructure), SDG 16 (Peace, Justice and Strong Institutions)
34	Heuristics Influence on Investment Decision Making at Pakistan Stock Exchange: Mediation of Digital Financial Literacy and Moderation of AI Adoption	SDG 4 (Quality Education), SDG 9 (Industry, Innovation and Infrastructure)
35	Determinants of online Repurchase Intention: An Empirical Study of Karachi Consumers	SDG 9
36	Bridging the Gap: An Exploratory Study of Integrated Facilities Management Practices in Pakistan	SDG 9
37	Qualitative Evaluation: Effectiveness for The Use of Digital / Social Media Education	SDG 4 (Quality Education)
38	Sustainable Leadership: An Empirical Evidence of Its Effect on the Sustainable Performance of an Organization	SDG 9
39	Extended Theory of Planned Behavior: Predicting Household Sign Up for Solar Energy	SDG 7 (Affordable and Clean Energy), SDG 16 (Peace, Justice and Strong Institutions)
40	Key Drivers of Fintech Adoption Among Pakistani MSMEs	SDG 9
41	Investigating The Impact of Effective Conflict Management on Organizational Performance Management Using the Thomas-Kilmann Conflict Mode Instrument	SDG 16 (Peace, Justice and Strong Institutions)

42	Investigation of the physical properties of expanded shale aggregate and its influence on the mechanical properties of OPC and LC3-50-based concretes	SDG 15 (Life on Land)
43	Harnessing Business Intelligence for Strategic HRM: Evidence From Pakistan's Corporate Sector	SDG 8 (Decent Work and Economic Growth)
44	Effective English Language Teacher: A Comparison of Perceptions of Pakistani College Teachers and Students	SDG 9
45	Socio-Economic Profiling of Thari Women Artisans With Special Focus On Financial Inclusion And Digital Awareness	SDG 5 (Gender Equality), SDG 10 (Reduced Inequalities)
46	Exploring The Impact Of Succession Planning On Digital Marketing Innovation: The Mediating Role of Marketing Adaptability	SDG 9 (Industry, Innovation and Infrastructure)
47	Factors Influencing The Mental Well-Being of Location-Based GIG Workers in Karachi	SDG 3 (Good Health and Well-being)
48	Image Variations Subjected To Varying Light Intensity on Polished And Unpolished Aluminum and Steel	SDG 9
49	Robust Real-Time 2D Object Detection Using Yolov5: Architecture, Training Optimization, and Comparative Evaluation	SDG 9 (Industry, Innovation and Infrastructure)
50	Potato Disease Classification Using Deep Learning: A Convolutional Neural Network Approach	SDG 3 (Good Health and Well-being), SDG 9 (Industry, Innovation and Infrastructure)
51	A Systematic Review on IoT Security (Threats, Mitigations) Strategies and Future Directions	SDG 16 (Peace, Justice and Strong Institutions)
52	Role of Digital Supply Chain Technologies (E.G., Iot, Blockchain) in Enhancing Organizational Sustainability	SDG 9 (Industry, Innovation and Infrastructure), SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action)
53	Economic Impact of Just-In-Time (Jit) Inventory Systems	SDG 9
54	Adoption of SCM 4.0 in Pakistan: Investigating Perceived Benefits on Supply Chain Operations and Organizational Outcomes	SDG 12 (Responsible Consumption and Production)
55	Optimizing Supply Chain Costs Through Operational Integration: A Quantitative Analysis of Inventory And Warehouse Strategy	SDG 12 (Responsible Consumption and Production)
56	Role of Ai-Driven Practice on Supply Chain Management: A Study in Karachi	SDG 9 (Industry, Innovation and Infrastructure), SDG 12 (Responsible Consumption and Production)
57	Innovating Through Diversity: Examining the Influence of Cultural Values, Motivation, and Commitment In Pakistani Organizations	SDG 10 (Reduced Inequalities)
58	Leveraging Data Analytics For E-Commerce Supply Chain Transformation: An Empirical Study Of The Pakistani Market	SDG 12 (Responsible Consumption and Production)
59	Impact of Blockchain Technology on Supply Chain Transparency	SDG 9 (Industry, Innovation and Infrastructure), SDG 12 (Responsible Consumption and Production)
60	Will china invade taiwan: policy options for the united states, china and taiwan	SDG 16 (Peace, Justice and Strong Institutions)
61	Russia's Indo-Pacific Strategy: Grand Objectives and Policy Implications for Pakistan	SDG 16 (Peace, Justice and Strong Institutions)
62	Promoting Green Purchase Behavior among the Youth: A Goal Framing Theory Perspective	SDG 16 (Peace, Justice and Strong Institutions)
63	Stepping into the Digital Mirror: Illuminating Consumer Journeys in the Fabric of Augmented Fashion World	SDG 12 (Responsible Consumption and Production)

		SDG 16 (Peace, Justice and Strong Institutions)
64	Analytical Evaluation of Legal Gaps In Governing outer Space For Mitigating Threat of Space Weaponization	
65	A Data-Driven Approach for Milk Quality Prediction using Machine Learning Techniques	SDG 9 (Industry, Innovation and Infrastructure)
66	Towards Sustainable Energy Management: an IOE Integrated Intelligrid Home Framework	SDG 7 (Affordable and Clean Energy)
67	Dimensions of Knowledge Graph Reasoning	SDG 9
68	Trustworthy AI For IOT Using Blockchain	SDG 9 (Industry, Innovation and Infrastructure)
69	The Role of social media In Shaping University Students' Grammar in Academic Writing	SDG 4 (Quality Education)
70	Artificial Intelligence Based Optimization of Face Identification System Using Yolo And Super-Resolution Approaches	SDG 9 (Industry, Innovation and Infrastructure)
71	Lagophthalmos Drivers In Locomotives	SDG 9
72	Impact of HR Analytics Utilization on Organizational Communication Effectiveness	SDG 9
73	Development of a Novel Reliability-Centered Framework and Maintenance Strategies for the Asset Management and Sustainability of Rotary Equipment	SDG 13 (Climate Action)
74	Alkali Treatment Effects on the Tensile Characteristics of Vacuum-Infused Banana and Flax Woven Fiber Composites	SDG 9
75	Data Driven Learning Based Robust Control for Nonlinear Electromechanical Systems: A Case Study on SRV02	SDG 9
76	Determinants Of Customer Satisfaction In The Decorative Paint Service Industry: Evidence From Karachi, Pakistan	SDG 9 (Industry, Innovation and Infrastructure)
77	Impact of Entrepreneurship Education on Students' Innovation Capabilities: A Quantitative Analysis of University Entrepreneurship Programs	SDG 4 (Quality Education), SDG 9 (Industry, Innovation and Infrastructure)
78	Sparse Regularized Autoencoders-Based Radiomics Data Augmentation for Improved EGFR Mutation Prediction in NSCLC	SDG 9
79	Data-Driven Stabilization: A Robust Control Approach with Linear Matrix Inequalities	SDG 9
80	Computationally Efficient Iterative Learning Control Design for Uncertain Nonlinear Systems Applied on SRVO2 Motor-Driven Machine	SDG 9
81	Behavioral Drivers Influencing Cloud Computing Adoption in Pakistan's Financial Sector: A TPB-Based Empirical Study	SDG 9 (Industry, Innovation and Infrastructure)
82	Abolishing the 'abyssal line' through southern translingualism: re-envisioning university ELT pedagogy through teacher-researcher collaboration in Pakistan	SDG 4 (Quality Education), SDG 17 (Partnerships for the Goals)
83	Experimental and Bibliometric Analysis of Truncated Cone Fouling Suppression Device for Vortex-Induced Vibration Control in Marine Structures	SDG 14 (Life Below Water)
84	Thermal Performance Assessment of Heat Storage Unit by Investigating Different Fins Configurations	SDG 9
85	Eurocentric Texts & Pedagogies in Pakistan	SDG 9
86	Evaluating ChatGPT for research impact assessment: comparative insights from the UK REF	SDG 9

87	Evaluating performances of SVR, HBA–SVR, and COOT–SVR techniques: monthly evaporation modeling in Algeria	SDG 9
88	PCA-Based Investor Attention Index and Its Impact on the KSE-100 Excess Returns	SDG 9
89	AI Driven Framework for Need-Based Insurance Plans Generation and Anomaly Detection Using Deep Learning Techniques	SDG 9 (Industry, Innovation and Infrastructure)
90	DFROG-MAC: A Dynamic Fragmentation-Based MAC for Prioritised Emergency Data Management in Vehicular Networks	SDG 9
91	Decision tree based invariants for intrusion detection in industrial control system	SDG 9
92	IoT-MT: Connected Care System For Elderly Anxiety Management Via Music Therapy	SDG 3 (Good Health and Well-being)
93	News Sentiment and Bank Credit Expansion: A Text-Based Analysis for Pakistan	SDG 9
94	AI-Enabled HR Practices and Sustainable Business Productivity: The Mediating Role of Workforce Agility	SDG 8 (Decent Work and Economic Growth), SDG 9 (Industry, Innovation and Infrastructure)
95	Cognitive Warfare: An Indelible Dilemma Confronting Pakistan	SDG 9
96	Corporate Governance Reforms and Financial Performance: Evidence From Pakistan's Non-Financial Sector	SDG 9
97	Role of Locus of Control in Moderating Financial Literacy and Behavior in the Banking Sector	SDG 4 (Quality Education), SDG 16 (Peace, Justice and Strong Institutions)
98	Navigating Human Resource Challenges: Implications For The Workforce Sustainability of Lady Health Workers in Pakistan	SDG 3 (Good Health and Well-being), SDG 13 (Climate Action)
99	Leveraging Lean Six Sigma for Sustainable Financial Performance: An Innovation-Driven Operational Transformation in Pakistan's Pharmaceutical Industry	SDG 9 (Industry, Innovation and Infrastructure)
100	Sustained Learning Practices: E-Learning and Its Impact on The Students' Satisfaction and Their Academic Performance	SDG 4 (Quality Education)
101	Effectiveness of Organizations and Green Human Resources Management	SDG 9
102	Exploring Determinants of theory of Planned Behavior in Understanding Green Consumption in Organic Food Industry of Pakistan: Emphasizing Role of Environmental Knowledge and Perceived Price as Key Determinants to Organic Food Consumption	SDG 2 (Zero Hunger), SDG 9 (Industry, Innovation and Infrastructure), SDG 12 (Responsible Consumption and Production), SDG 16 (Peace, Justice and Strong Institutions)
103	Determinants of Financial Inclusion in Pakistan	SDG 10 (Reduced Inequalities)
104	Unsupervised Learning for Crop Suitability Clustering Based on Soil Nutrients	SDG 2 (Zero Hunger), SDG 15 (Life on Land)
105	Understanding Stress and Burnout Experiences Among Trainee Clinical Psychologists: Mediating Role of Self-Efficacy	SDG 3 (Good Health and Well-being)
106	The China Factor in Pakistan–Afghanistan Relations: Strategic Counterterrorism Cooperation	SDG 9
107	Redefining Political Legitimacy: The NEO-Confucian State and the Crisis of Liberal Modernity	SDG 9
108	WAMS Operations in modern power systems: A median expectation-based state estimation approach for grid resilience towards cyber attacks	SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure)
109	Advancing energy integration: renewable sources, ancillary services, and stability	SDG 7 (Affordable and Clean Energy)

110	Impact of photovoltaic ingress on the performance and stability of low voltage Grid-Connected Microgrids	SDG 7 (Affordable and Clean Energy)
111	Leveraging dense layer hybrid graph neural networks for managing overvoltage in PV-dominated distribution systems	SDG 9
112	The Impact of High-Performance Work System, High-Performance Organisational Culture, and Innovative Work Behaviour on High-Performance Organisation	SDG 8 (Decent Work and Economic Growth)
113	Flying Meals, Grounded Emotions: A Grounded Theory of Drone Food Delivery in Pakistan	SDG 2 (Zero Hunger)
114	Optimization Strategies for Image Registration Using Rigid and Möbius Groups	SDG 9 (Industry, Innovation and Infrastructure)
115	Impact of Green HRM Practices on Financial Performance: The Mediating Roles of Environmental Performance and Green Innovation and the Moderating Role of Green Transformational Leadership	SDG 9 (Industry, Innovation and Infrastructure)
116	Exploring investor experiences with ai-driven technologies in the pakistan stock exchange: a qualitative narrative study on stakeholders	SDG 9 (Industry, Innovation and Infrastructure)
117	Parenting in families experiencing domestic violence: psychological implications for children – a systematic review	SDG 3 (Good Health and Well-being), SDG 16 (Peace, Justice and Strong Institutions)
118	Financial implications of social media engagement and chatbot use: a firm-level study in emerging markets	SDG 9

## Sustainability Activities (January – December 2025)

### Social Internships

All BBA, BS Business Analytics & Programming, and BS Accounting & Finance students complete a mandatory 60-hour social internship with non-profit organizations as part of DHA Suffa University's commitment to experiential learning and community engagement. Through partnerships with organizations working in healthcare, education, poverty alleviation, and social welfare, students develop civic responsibility while contributing to sustainable community development. During **2025**, students successfully completed their social internships with the following organizations:

1. Indus Hospital
2. The Citizens Foundation (TCF)
3. Dar-ul-Sukun
4. The Hunar Foundation
5. Rotary International District 3271 Pakistan
6. Milestone Society for Special Persons
7. Alkhidmat Foundation Pakistan
8. Aga Khan Development Network (AKDN)
9. Make-A-Wish Foundation Pakistan
10. SSF Pakistan
11. HANDS Foundation
12. Baitussalam Welfare Trust
13. Tears to Cheers Welfare Organization
14. Edhi Foundation
15. Ashiyana Trust
16. Dua Foundation
17. Akhuwat Foundation

Through these internships, students gained practical experience while supporting initiatives related to education, healthcare, poverty alleviation, social welfare, community development, and inclusion, reinforcing DHA Suffa University's commitment to the United Nations Sustainable Development Goals (SDGs).

SDGs Supported: SDG 3 – Good Health and Well-being, SDG 4 – Quality Education, SDG 10 – Reduced Inequalities, SDG 17 – Partnerships for the Goals

### **Winter drive (Scope of vHelp university students' NGO)**

DHA Suffa University collaborated with **vHelp Scope of Hope** to collect and distribute winter clothing and blankets to underprivileged communities in Sanghar. The initiative promoted volunteerism, compassion, and community support during the winter season.

SDGs Supported: SDG 1 – No Poverty, SDG 10 – Reduced Inequalities, SDG 17 – Partnerships for the Goals



### **Ramzan Ration drive**

Students, faculty, and staff organized a Ramzan Ration Drive to provide essential food supplies to deserving families, promoting food security, social responsibility, and community solidarity. Through this initiative, students gained valuable exposure to humanitarian work and learned the importance of giving back to society.

SDGs Supported: SDG 1 – No Poverty, SDG 2 – Zero Hunger, SDG 17 – Partnerships for the Goals

### **Blood Donation Drives**

In year 2025, DHA Suffa University, in collaboration with the renowned Hospitals & Health Network, successfully organized 5 five Blood Donation Drives aimed at promoting humanitarian values and encouraging voluntary blood donation among students, faculty, and staff. The initiative reflected the University's commitment to social responsibility and community service while contributing to the critical healthcare needs of society.

The Blood Donation Drives highlighted the spirit of compassion, empathy, and civic engagement among DHA Suffa University students. Through their active participation, students demonstrated their commitment to serving humanity and making a meaningful difference in the lives of others.

SDG 3 – Good Health and Well-being, SDG 10 – Reduced Inequalities, SDG 17 – Partnerships for the Goals



### **Solutions to make Campus Eco friendly**

The students of DHA Suffa University actively participated in an innovative sustainability initiative aimed at proposing practical and impactful solutions to make the university campus more environmentally friendly. Through brainstorming sessions, group discussions, and project presentations, students demonstrated their commitment to promoting a greener and more sustainable future. The activity encouraged students to identify environmental challenges within the campus and develop innovative solutions aligned with the principles of sustainability and responsible resource management.

SDGs Supported: SDG 4, SDG 9, SDG 11, SDG 12, SDG 13

### **Animal Welfare Awareness**

An awareness session on animal welfare promoted compassion, biodiversity conservation, and responsible citizenship. Students were encouraged to support animal welfare initiatives and contribute to protecting biodiversity.

SDGs Supported: SDG 4 – Quality Education, SDG 11 – Sustainable Cities and Communities, SDG 15 – Life on Land, and SDG 17 – Partnerships for the Goals.



### Beach Cleaning Campaigns

Students actively participated in beach cleaning campaigns to reduce pollution, protect natural ecosystems, and promote responsible environmental behavior. The activities encouraged environmental stewardship and public awareness regarding conservation.

SDGs Supported: SDG 6 – Clean Water and Sanitation, SDG 11 – Sustainable Cities and Communities, SDG 13 – Climate Action, SDG 14 – Life Below Water, and SDG 15 – Life on Land.



### TCF Awareness Session about Baghban Social internship program

Awareness sessions conducted with The Citizens Foundation (TCF) encouraged students to participate in social internships and community service projects, promoting civic engagement and sustainable social development.

SDGs Supported: SDG 4 – Quality Education, SDG 8 – Decent Work and Economic Growth, SDG 10 – Reduced Inequalities, and SDG 17 – Partnerships for the Goals.

### Prisoner Rehabilitation Awareness Session

A guest lecture by the former Inspector General of Prisons, Sindh highlighted prisoner rehabilitation, vocational training, and social reintegration, emphasizing the importance of education, skills development, and inclusive justice in building resilient communities.

SDGs Supported: SDG 4 – Quality Education, SDG 8 – Decent Work and Economic Growth, SDG 10 – Reduced Inequalities, and SDG 16 – Peace, Justice and Strong Institutions.



## Akhuwat Foundation Conducts Social Awareness Session on Social Internships

DHA Suffa University, in collaboration with Akhuwat Foundation, organized an informative social awareness session to introduce students to the concept and importance of social internships. The session aimed to inspire students to engage in community service, social development initiatives, and volunteer activities that contribute to the betterment of society.

The session encouraged students to become active agents of positive change by participating in projects related to education, healthcare, financial inclusion, and community development.

SDGs Supported: SDG 4 – Quality Education, SDG 8 – Decent Work and Economic Growth, SDG 10 – Reduced Inequalities, and SDG 17 – Partnerships for the Goals.

## Plantation Drives

As part of its commitment to environmental sustainability and community engagement, DHA Suffa University organized a Plantation Drive aimed at promoting a greener and healthier campus environment. The activity brought together students, faculty members, and administrative staff who actively participated in planting a variety of trees and ornamental plants across designated areas of the university. The university organized 5 plantation drive in a year 2025.



SDGs Supported: SDG 11 – Sustainable Cities and Communities, SDG 13 – Climate Action, SDG 15 – Life on Land, and SDG 17 – Partnerships for the Goals.

## Park Cleaning Drives

Students actively participated in beach and park cleaning campaigns to reduce pollution, protect natural ecosystems, and promote responsible environmental behavior. The activities encouraged environmental stewardship and public awareness regarding conservation.

SDGs Supported: SDG 6 – Clean Water and Sanitation, SDG 11 – Sustainable Cities and Communities, SDG 13 – Climate Action, SDG 14 – Life Below Water, and SDG 15 – Life on Land.

## Cultural Day Celebration at DHA Suffa University

As part of DHA Suffa University's commitment to community engagement and inclusive education, students celebrated Cultural Day to promote appreciation for Pakistan's rich cultural heritage and diversity. Students represented the cultures of Sindh, Punjab, Balochistan, Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir by wearing traditional attire and sharing the unique traditions of each region. The activity fostered cultural awareness, mutual respect, social inclusion, and national unity while encouraging students to value diversity and strengthen community connections.

SDGs Supported: SDG 4 – Quality Education, SDG 10 – Reduced Inequalities, SDG 11 – Sustainable Cities and Communities, and SDG 16 – Peace, Justice and Strong Institutions.



## Literacy and Educational Support

In collaboration with Providentia Books Foundation, DHA Suffa University organized an awareness session to promote literacy and educational equity. Students learned about initiatives supporting underserved communities through the distribution of books, educational resources, and learning opportunities.

SDGs Supported: SDG 4 – Quality Education, SDG 10 – Reduced Inequalities, and SDG 17 – Partnerships for the Goals.



### **Awareness Session on Sustainability and SDGs in Higher Education**

DHA Suffa University organized an awareness session on Sustainability and the Sustainable Development Goals (SDGs) in Higher Education Institutions (HEIs). The session was delivered by Dr. Muhammad Asim, Associate Professor, University of Karachi, an expert in sustainability and environmental management, and was organized by Dr. Rabia Mumtaz.

The session emphasized integrating sustainability into teaching, research, campus operations, and institutional governance. Prof. Dr. Ahmad Saeed Minhas, Vice Chancellor, highlighted the University's commitment to embedding sustainability across academic and operational practices. The session was attended by both teaching and non-teaching staff, promoting a shared vision for sustainable institutional development.

SDGs Supported: SDG 4 – Quality Education, SDG 12 – Responsible Consumption and Production, SDG 13 – Climate Action, and SDG 17 – Partnerships for the Goals.



### **Communication Skills for Community and Professional Development**

DHA Suffa University organized a Communication Skills for Community to strengthen participants' interpersonal and professional communication capabilities. The session was delivered by Mr. Minhas Tejani, Principal, Habib Public School, under the Professional Development course supervised by Ms. Rabia Mumtaz, Senior Lecturer.

The interactive session focused on effective communication, workplace etiquette, public speaking, and professional interactions, equipping students with essential skills for academic, professional, and community engagement. By promoting effective communication and lifelong learning, the initiative supports the University's commitment to developing responsible graduates capable of making meaningful contributions to society.

SDGs Supported: SDG 4 – Quality Education, SDG 8 – Decent Work and Economic Growth, and SDG 17 – Partnerships for the Goals.



### Building Professional Networks for Sustainable Careers

DHA Suffa University organized a guest speaker session titled "Mastering the Art of Networking" as part of the Professional Development course. The session was delivered by Mr. Badar Zaman Khan, Head of IT, IFFCO Pakistan, moderated by Ms. Rabia Mumtaz, Senior Lecturer.

SDGs Supported: SDG 4 – Quality Education, SDG 8 – Decent Work and Economic Growth, and SDG 17 – Partnerships for the Goals.



### Experiential Learning through Financial Heritage and Economic Awareness

On 20 November 2025, students enrolled in the Industrial Revolution course visited the State Bank of Pakistan Museum as part of an educational field visit organized under the supervision of Dr. Rabia Mumtaz.

The visit provided students with an engaging learning experience, enhancing their understanding of the historical, economic, and technological evolution of money, banking, and financial systems. Through interactive exhibits and historical collections, students explored the development of currency, financial institutions, and economic transformation, strengthening the connection between classroom learning and real-world practice.

SDGs Supported: SDG 4 – Quality Education and SDG 8 – Decent Work and Economic Growth.



**Sustainability Workshop: Industry Engagement for Career Readiness**

DHA Suffa University organized an industry engagement visit of students to Ibex under the supervision of Ms. Rabia Mumtaz

The session provided students with valuable insights into corporate operations, organizational practices, and career opportunities. Mr. Fahad Azam, Manager Recruitment, introduced the company's departments, shared industry experiences, and guided students on career development, employability skills, and professional growth.

The initiative strengthened academia–industry collaboration while preparing students with the knowledge and skills required for sustainable careers.

SDGs Supported: SDG 4 – Quality Education, SDG 8 – Decent Work and Economic Growth, and SDG 17 – Partnerships for the Goals.



## Way Forward

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This report marks DHA Suffa University's first consolidated attempt at sustainability reporting. Building on the foundation laid in 2025, the Centre for Sustainability will prioritize the following in the year ahead:

- Establishing baseline data on energy consumption, water use, waste generation, and campus green-cover area to enable year-on-year quantitative tracking.
- Formalizing a campus-wide sustainability policy, with clear targets mapped to relevant UN Sustainable Development Goals.
- Expanding student-led environmental clubs and embedding sustainability service-learning credit hours across all four faculties.
- Building a standing repository of sustainability-themed research, thesis, and publications across the University, to be maintained jointly by the Centre for Sustainability and departments.

The Centre for Sustainability welcomes feedback from all faculties, directorates, and students as DSU continues to mature its sustainability practice and reporting in the years ahead.