DOW UNIVERSITY OF HEALTH SCIENCES

DUHS

ANNUAL STANDARDIZED REPORT

2024-25

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MESSAGE FROM THE VICE CHANCELLOR (2024-2025)

As 2025 unfolds, I am deeply honored to serve as Vice Chancellor of Dow University of Health Sciences during this important period. Following the distinguished tenure of Prof. Mohammed Saeed Quraishy (2017–2025), Prof. Jahan Ara Hasan assumed the charge of the office of the Vice Chancellor at the end of April 2025. Now, taking charge of the Office of the Vice Chancellor of DUHS on a permanent basis, and with humility and commitment, I plan to carry forward DUHS's enduring legacy of excellence.

The academic year 2024–2025 was marked by landmark progress. Guided by our renewed *Strategic Plan 2024–2030*, we reaffirmed our mission of "Pioneering Excellence and Inspiring Innovation" through transformative initiatives in education, research, healthcare delivery, and community service. This bold roadmap, envisioned under the leadership of my predecessor, has set DUHS apart among public sector universities in Pakistan, emphasizing technology integration, global collaboration, and leadership in healthcare innovation.

Our University community achieved significant milestones this year. DUHS secured international recognition by ranking 95th globally in SDG 3: Good Health and Well-being and within the 801–1000 range overall in the Times Higher Education (THE) Impact Rankings 2025. We celebrated academic growth with the accreditation of allied health programs, the launch of new doctoral degrees, and the historic graduation of our first PhD in Nursing scholar, fully supported by the DUHS Endowment Fund.

Research and innovation thrived through our Office of Research, Innovation, and Commercialization, which supported groundbreaking projects in diabetes, cancer, infectious diseases, and nutrition. The establishment of the Dow Fly Research Lab as part of the global FLYBASE consortium underscored DUHS's leadership in genetic research. Our partnerships with international institutions, including Stanford, Vanderbilt, Duke, and the University of Manchester, further elevated our global standing.

Equally inspiring was the advancement of inclusive healthcare initiatives. The e-Doctor Programme, launched in collaboration with Germany and Stanford, reconnected over 1,500 non-practicing women doctors across 27 countries with medical practice through digital platforms, extending services to flood-affected communities in Pakistan. This initiative reflects DUHS's steadfast commitment to empowering women in healthcare and expanding access to underserved populations.

On a personal note, I am humbled to have received the Lifetime Achievement Award from the Dow Graduates Association of North America (DOGANA) this year, a recognition that I accept on behalf of the entire DUHS family, whose dedication and resilience continue to inspire me.

These achievements—academic, research-driven, and humanitarian—are a testament to the tireless efforts of our faculty, staff, students, alumni, and partners. I extend my heartfelt gratitude to every member of the DUHS community for their passion and service. As we look ahead, DUHS remains firmly committed to shaping the future of healthcare education and research in Pakistan and beyond. Together, let us continue to progress with innovation, compassion, and purpose, upholding our mission of *changing and saving lives*.

Vice Chancellor, DUHS

LEADERSHIP OF DUHS



VICE CHANCELLOR

Prof. Dr. Nazli Hossain,
Meritorious Professor
MBBS, MCPS, FCPS
Professor of Obstetrics & Gynecology
Dow University of Health Sciences



PRO- VICE CHANCELLOR

Prof. Jahan Ara Hasan,
Meritorious Professor
MBBS MCPS FCPS PH-D
Dow University of Health Sciences

EXECUTIVE SUMMARY: DUHS ANNUAL REPORT 2024–2025

Dow University of Health Sciences (DUHS), founded in 2004, has emerged as one of Pakistan's leading public sector universities in medical and health sciences, with a strong reputation for excellence in education, research, clinical care, and community service. This report highlights DUHS's achievements, milestones, and strategic initiatives undertaken during 2024–2025, reflecting its commitment to innovation, inclusivity, and global leadership.

Academic Portfolio and Achievements.

With 49 academic units, including 19 schools, colleges, and institutes, DUHS offers a wide range of undergraduate, postgraduate, doctoral, and fellowship programs in medicine, dentistry, nursing, pharmacy, allied health sciences, biotechnology, business management, public health, and behavioral sciences. In 2024–2025, enrollment reached approximately 7,893 students, supported by nearly 1,000 faculty and over 3,000 staff. Key milestones included accreditation of allied health programs, HEC approval of new degrees (PhD Pharmaceutical Chemistry, PhD Physical Therapy, MS Management Sciences), and DUHS's first PhD in Nursing graduate fully funded by the DUHS Endowment Fund. International recognition followed as DUHS ranked 95th globally in SDG-3 (Good Health & Well-Being) in the Times Higher Education Impact Rankings.

Research, Innovation, and Collaborations.

DUHS has positioned itself among the top research-intensive universities in Pakistan. Through the Office of Research, Innovation, and Commercialization (ORIC), the University fostered a vibrant research culture, funding projects via the Vice Chancellor's Strategic Fund for Innovation, hosting conferences, and supporting faculty publications in high-impact journals. Major research and other projects addressed pressing health issues including diabetes, cancer, infectious diseases, and nutrition.

Quality Assurance and Faculty Development.

The Quality Enhancement Cell (QEC) advanced accreditation and compliance in line with national and updated Quality standards. Faculty development remained a priority, with funded initiatives from NAHE-HEC. The QEC of DUHS remains one of the top performing cells in the region and nationally with over 90% performance rating, meeting maximum parameters satisfactorily in QA activities by the Higher Education Commission, Pakistan.

Industry Linkages, Innovation, and Entrepreneurship.

DUHS reinforced its ties with industry through its Business Incubation Center, where multiple startups were supported under the HEC Prime Minister's Youth Innovation Program. Partnerships with pharmaceutical companies, hospitals, and corporate entities enhanced employability, internships, and collaborative research. Intellectual property development, including patents and trademarks, gained momentum, reflecting DUHS's focus on commercialization of research outcomes.

Community Engagement and Healthcare Services.

Community service remained central to DUHS's mission. Its teaching hospitals and specialized institutes—covering cardiology, diabetes, liver and gastrointestinal diseases, transplantation, and radiology—provided accessible, affordable care to thousands of patients annually. Initiatives such as health camps, awareness drives, screening programs, and public health research projects addressed both rural and urban populations. The Dow Skills Development Center (DSDC) trained young professionals, while the Summer Internship Program for School Students nurtured early interest in health sciences. Mental health services, stress-counseling programs, and employee health insurance further underscored DUHS's holistic approach to well-being.

Student Life, Sports, and Leadership.

DUHS promoted a vibrant campus environment, offering inter-departmental sports competitions, participation in national championships, and recognition for outstanding athletes.

Financials and Governance.

In 2024–2025, DUHS maintained financial stability while investing in infrastructure, digital solutions, and healthcare expansion in line with Vision and Mission. Governance structures, including the Syndicate, Academic Council, and Board of Advanced Studies & Research, continued to ensure accountability and transparency in academic and administrative matters.

Alumni and Global Presence.

The Alumni, Marketing, and Communications Department enhanced engagement through reunions, partnerships, and career support. A notable development was DUHS's partnership with MediaMix Advertising, an alumni-led firm, to strengthen alumni communications. DUHS alumni worldwide—through associations like DOGANA—have contributed to global healthcare leadership, research, and philanthropy, with many recognized for international awards and achievements.

Commitment to SDGs and Future Directions.

Aligned with the United Nations Sustainable Development Goals, DUHS advanced efforts in Good Health & Well-Being (SDG 3), Quality Education (SDG 4), Gender Equality (SDG 5), and Global Partnerships (SDG 17). Looking ahead, DUHS plans to expand research productivity, strengthen digital transformation, enhance global academic linkages, develop centers for emerging technologies, and continue fostering socially responsible graduates who serve both local and international communities.

The 2024–2025 academic year marked transformative progress for DUHS. With nearly 9,000 students, 1,000 faculty, 1,380 research publications, top tier ORIC & QEC performance, along with global recognition to community service and research leadership, DUHS continues to shape Pakistan's healthcare landscape and contribute meaningfully to global health and education. With a renewed strategic vision, DUHS is poised to further its role as a hub of innovation, inclusivity, and excellence in the years to come.

VISION STATEMENT

“To Be a Pre-Eminent Academic Institution Committed to Changing and Saving Lives”

MISSION STATEMENT

“Providing Outstanding Patient Centered Education, Training and Clinical Care Informed by Cutting Edge Research and Innovation Generating and Disseminating New Knowledge”

DIVERSITY STATEMENT

We demonstrate equal employment opportunity without any discrimination to gender and encourage a participative work culture of equality and professionalism in all the endeavors at DUHS, these aspects which include recruitment and hiring, learning & development, performance enhancement and other opportunities.

NON DISCRIMINATION AGAINST WOMEN

The scope of non-discrimination with regard to gender on admission of students is covered in The DOW University of Health Science Act 2004 which states in Clause No. 5.1 Under Section University Open to All that, “The University shall be open to all persons of either sex of whatever religion, race, creed, color who are academically qualified for admissions to the courses of study offered by the university and no such persona shall be denied to the privilege on the ground of only sex, religion, creed, race, class, color”.

NON DISCRIMINATION FOR TRANSGENDER

Section 3(3) of Transgender Persons (Protection of Rights) Act, 2018 states, “every transgender person, being the citizen of Pakistan, who has attained the age of eighteen years shall have the right to let himself or herself be registered according to self-perceived gender identity.” Accordingly, DUHS encourages all gender identities to apply for employment as well as admissions to the courses of study offered by the University and no such person shall be denied the privilege on this ground.

ABOUT THE DOW UNIVERSITY OF HEALTH SCIENCES (DUHS)

Dow University of Health Sciences (DUHS) is a premier institution offering undergraduate education in MBBS and BDS, with a strong academic portfolio spanning Medical and Biomedical Sciences, Public Health, Allied Health Sciences, and Business Management programs. The University operates from its main campus and a sub-campus, both located in the urban metropolitan city of Karachi, Sindh.

DUHS houses a School of Postgraduate Studies, which offers a wide array of postgraduate and doctoral programs across nearly all biomedical and health science disciplines. These include:

- **Clinical Diplomas in 13 specialties**
- **Master's/MS/MPhil programs in over 40 specialties, such as:**
    - ***Master of Advanced Physiotherapy***
    - ***Master of Science in Nursing***
    - ***Master of Business Administration***
    - ***MPhil programs in 18 Biomedical and basic science specialties*****, including *Biotechnology, Genetics, Microbiology, and Pharmacology***
- **Ph.D. programs in various fields within health and allied sciences**

The University's flagship MBBS program is also offered through Dow International Medical College, designed specifically to cater to international and overseas-sponsored students. Additionally, the College of Physicians and Surgeons Pakistan (CPSP) has accredited DUHS for FCPS training in 29 specialties, reflecting its commitment to high-quality postgraduate clinical education.

DUHS Encompasses a total of:

1. **20 Schools, Colleges, and Institutes offering Academic Programs**
2. **9 Clinical Entities**
3. **29 Non-academic & Administrative Departments**
4. **7 Attached and Affiliated Hospitals**

COLLEGES INSTITUTES & SCHOOLS OF DUHS

S #	Name of Institute/Colleges & Schools of DUHS
1	Dow Medical College (DMC)
2	Dow Dental College (DDC)
3	Dow International Dental College (DIDC)
4	Dow International Medical College (DIMC)
5	Dr. Ishrat-ul-Ebad Institute of Oral Health Sciences (DIKIOHS)
6	Dow College of Pharmacy (DCOP)
7	Dow Institute of Physical Medicine & Rehabilitation (DIPM&R)
8	Dow Institute of Health Professionals Education (DIHPE)
9	Dow Institute of Radiology (DIR)
10	Dow Institute of Nursing & Midwifery (DION&M)
11	Institute of Business and Health Management (IBHM)
12	Dow Institute of Medical Technology (DIMT)
13	School of Public Health (SPH)
14	Dr. Abdul Qadeer Khan Institute of Behavioral Sciences (IBS)
15	Dow College of Biotechnology (DCOB)
16	School of Postgraduate Studies (SPGS)
17	School of Dental Care Professionals (SDCP)
18	Department of Ophthalmology and Visual Sciences
19	National Institute of Diabetes & Endocrinology (NIDE)
20	Department of Forensic Science, DIMC
Clinical Departments of DUHS	
1.	Dow University Hospital a. *Dow Institute of Cardiology* b. *National Institute of Liver & GI Diseases (NILGID)* c. *National Institute of Diabetes & Endocrinology (NIDE)* d. *National Institute of Solid Organ & Tissue Transplant (NISOTT)*
2.	Dow Institute of Radiology
3.	Dow Diagnostic, Research and Reference Laboratory (DDRRL)
4.	OJHA Institute of Chest Diseases (OICD)
6.	Dr. Ishrat Ul Ebad Khan Location (near LNH), National Stadium Road

7.	Dr. Ishrat Ul Ebad Khan Institute of Blood Diseases (DIKIBD)
8.	DHA City Medical Center
Other Non-Academic, Research Core and Administrative Entities	
1.	Day Care Centers
2.	Libraries
3.	Finance Directorate
4.	Registrar Secretariat
5.	Clinical Trials Unit (CTU)
6.	Internal Audit Directorate
7.	Dow Institute for Advanced Biological & Animal Research
8.	Examination Department
9.	Question Bank (Q Bank)
10.	Admissions Department
12.	Quality Enhancement Cell (QEC)
13.	Directorate of Human Resource
14.	Professional Development Center (PDC)
15.	Planning and Development Directorate
16.	Dow Premium Health Water- Riva Water
17.	Office of Student Counseling and Advising
18.	Office of Alumni Affairs and Resource Mobilization
19.	Office of Research Innovation & Commercialization (ORIC)
20.	Office of Strategic Development and Implementation (OSDI)
22.	Directorate of Information & Communication Technology (ICT) a. *Campus Management Solution (CMS)* b. *Digital Libraries (Multiple Departmental Libraries) of DUHS*
23.	Institute of Biological, Biochemical and Pharmaceutical Sciences
24.	Procurement Directorate (Office of Procurement and Supply Chain)
25.	Dow Research Institute of Biotechnology & Biomedical Sciences (DRIBBS)
26.	Dow Skills Development Center (DSDC)
27.	Distance Learning and Online Teaching

BRIEF PROFILES OF INSTITUTES, COLLEGES & SCHOOLS

I. Dow Medical College (DMC):

Established in 1945, Dow Medical College (DMC) is among Sindh's oldest and most prestigious medical institutions. Affiliated with Dow University of Health Sciences (DUHS) and linked to Dr. Ruth K. M. Pfau Civil Hospital Karachi—the largest public sector teaching hospital in Pakistan with 2,000+ beds—DMC has produced over 17,000 alumni serving worldwide as clinicians, researchers, and academic leaders. The college offers a five-year (ten-semester) MBBS program with an integrated curriculum, introducing students to basic sciences early and progressively strengthening clinical relevance through a spiral learning model. This approach enhances knowledge retention and its application in patient care. With distinguished faculty, robust clinical training, and a commitment to innovation, DMC remains a cornerstone of medical education in Pakistan, dedicated to producing competent, compassionate, and globally competitive healthcare professionals. DMC is globally recognized medical school with national and global ranking in medicine and the health sciences.

II. Dow International Medical College (DIMC):

Founded in 2007 to support children of overseas Pakistanis, Dow International Medical College (DIMC) offers a five-year MBBS program aligned with global healthcare standards. Recognized by the Pakistan Medical Commission and listed in the International Medical Education Directory (IMED), DIMC is also approved by the Educational Commission for Foreign Medical Graduates (ECFMG). The college integrates medical knowledge with ethics, empathy, leadership, and communication training. Equipped with advanced laboratories, lecture halls, research centers, and surgical units, DIMC ensures strong academic and practical exposure. Clinical training is provided through affiliations with Dow University Hospital and DACET, while research participation is actively encouraged. A vibrant campus life—with secure hostels, sports, student societies, and a focus on sustainability—further enhances personal and professional growth. DIMC continues to nurture globally recognized physicians, balancing technical excellence with compassion and responsibility.

III. Dow College of Pharmacy (DCOP)

Established in 2008 and upgraded to the Faculty of Pharmaceutical Sciences in 2012, Dow College of Pharmacy (DCOP) is recognized by the Pharmacy Council of Pakistan and HEC. It offers Pharm D (five-year), M.Phil. across multiple disciplines, and Ph.D. Pharmacology programs, preparing students for roles in academia, industry, clinical care, and research. The curriculum emphasizes innovation, quality pharmaceutical care, consultancy, and product development. DCOP boasts state-of-the-art facilities, including audiovisual lecture halls and specialized laboratories for Pharmaceutics, Pharmacology, Pharmaceutical Chemistry, Pharmacognosy, Industrial Pharmacy, Quality Assurance, Anatomy, Physiology, Microbiology, and Pathology. The institute is known for training highly skilled professionals capable of

advancing pharmaceutical sciences, conducting groundbreaking research, and contributing to national and global healthcare.

IV. Dow International Dental College (DIDC)

Established to address the shortage of dental surgeons in Pakistan and abroad, Dow International Dental College (DIDC) is a constituent of DUHS. Initially located at the Ojha Campus, it now operates from the Defence Campus, Karachi. Recognized by PMC in 2011, DIDC offers a Bachelor of Dental Surgery (BDS) program with modern academic and clinical facilities. The academic section includes specialized laboratories such as Oral Pathology, Oral Biology, Ceramic Labs, Pre-Clinical Labs, and a Community Dentistry Museum. The digital and physical library provides access to extensive academic resources. DIDC also operates comprehensive dental OPDs, ensuring robust clinical exposure for students. While initially catering to overseas students, admissions now extend to local students, meeting the rising demand for qualified dental professionals. DIDC is dedicated to producing competent dentists capable of addressing global healthcare challenges.

V. Dow Dental College (DDC)

Dow Dental College (DDC) is a modern dental institution committed to advancing oral health education, research, and patient care. With a highly qualified faculty and international-standard infrastructure, the college fosters excellence in both academics and clinical practice. It is Pakistan's only dental institute equipped with an Advanced Research Laboratory, allowing students and faculty to conduct innovative research on campus. DDC has introduced a dedicated Pediatric Dentistry department, expanded diagnostic services with CBCT technology, and initiated FCPS training in clinical specialties to enhance postgraduate learning. Its modern campus provides state-of-the-art facilities for research, teaching, and patient care. Positioned as a future leader in dental education, DDC aims to become a regional hub of academic brilliance, research innovation, and superior oral healthcare services.

VI. Dow Institute of Nursing & Midwifery (DION&M)

Established in 2006 with HEC support, the Dow Institute of Nursing & Midwifery (DION&M) is dedicated to producing skilled nursing leaders and professionals to meet Pakistan's evolving healthcare needs. The institute offers undergraduate and postgraduate programs, including BS Nursing, Post-RN BS Nursing, Post-RN BS Midwifery, and MS Nursing—all accredited by the Pakistan Nursing Council (PNC) and HEC. Equipped with modern classrooms and laboratories, the institute provides a conducive learning environment. For nearly two decades, it has produced competent nurses working in clinical care, education, and leadership roles across public and private sectors. DION&M fosters a collaborative community of committed faculty, talented students, and supportive alumni, with a mission to enhance nursing education, research, and healthcare service delivery in Pakistan and beyond.

VII. Dr. Ishrat-ul-Ebad Khan Institute of Oral Health Sciences (DIKIOHS)

DIKIOHS offers undergraduate (BDS) and postgraduate programs (MDS, MSc), providing comprehensive training in dental sciences under the semester system. Recognized by PMC, the institute has departments including Oral & Maxillofacial Surgery, Prosthodontics, Periodontology, Oral Pathology, Oral Biology, Orthodontics, and Community Dentistry. Its attached dental hospital features 125 dental chairs and nine outpatient departments, offering services such as extractions, fillings, root canals, crowns, orthodontics, and emergency care. Equipped with modern technology, sterilization protocols, and affordable treatment, the hospital ensures quality patient services. DIKIOHS also provides FCPS Part II training in Orthodontics, Prosthodontics, and Oral Surgery, recognized by CPSP. With strong academic, clinical, and research facilities, DIKIOHS remains a key contributor to dental education and oral healthcare in Pakistan.

VIII. Institute of Business and Health Management (IBHM)

Founded in 2007, the Institute of Business and Health Management (IBHM) addresses the need for skilled healthcare managers in Pakistan. A constituent of DUHS, IBHM offers programs including BBA, BS Finance & Accounting, BS Healthcare Management & Leadership, MBA, and Executive MBA across two Karachi campuses. With 350+ current students and over 500 alumni placed in leading organizations nationally and internationally, the institute fosters leadership and innovation in healthcare and business. Future plans include launching MS and PhD programs to strengthen its role in health management education. By integrating business expertise with healthcare sector needs, IBHM continues to prepare professionals equipped to manage complex healthcare systems and contribute to organizational growth.

IX. Dow Institute of Medical Technology (DIMT)

The Dow Institute of Medical Technology (DIMT) develops skilled medical technologists, vital to healthcare teams globally. Offering a four-year degree with specialties in Clinical Laboratory Sciences, Respiratory & Critical Care, Surgical Technology, Ophthalmic Technology, and Perfusion Sciences, DIMT provides eight-semester training combining medical sciences with practical skills. Facilities include a state-of-the-art Skills Lab, digital library, and science labs. Additional short courses cover echocardiography, ECG, radiography, ultrasound, CT, and MRI training. Graduates are prepared for roles in routine and emergency care, disaster management, and critical care. By equipping technologists with advanced knowledge and practical expertise, DIMT contributes significantly to strengthening Pakistan's healthcare system.

X. Dow Institute of Physical Medicine and Rehabilitation (DIPM&R)

Established in 2007, DIPM&R is Pakistan's only civilian institute offering comprehensive multidisciplinary rehabilitation services. It provides care for patients with stroke, spinal cord injury, cerebral palsy, Down syndrome, musculoskeletal and cardiopulmonary disorders, autism, neuropathies, amputations, and other disabilities. Alongside patient services, the

institute runs degree programs including Doctor of Physical Therapy (5 years), MS in Advanced Physiotherapy, and PhD in Physical Therapy at Ojha Campus, Karachi. Services extend to physical therapy, occupational therapy, prosthetics and orthotics, and speech therapy, ensuring holistic rehabilitation. DIPM&R combines education, clinical training, and community services to enhance the quality of life for people with disabilities while preparing skilled professionals in rehabilitation sciences.

XI. School of Postgraduate Studies (SPGS)

The School of Postgraduate Studies at DUHS oversees postgraduate education, research, and training. It manages programs through the Board of Advanced Studies and Research, Ethical Review Board, and Scientific Committee. Currently, DUHS offers 35 postgraduate programs, including PhD, Masters, Fellowships, Diplomas, and Certificates. Each year, around 150 FCPS students complete training, while over 400 graduates have earned M.Phil., MDS, MSBE, MS Diabetes, MS Physiotherapy, and MBA degrees. SPGS ensures quality in academic and research activities, fostering a strong postgraduate community that contributes to healthcare, academia, and policy both nationally and internationally.

XII. Dr. Abdul Qadeer Khan Institute of Behavioral Sciences (IBS)

The Dr. A.Q. Khan Center, Institute of Behavioral Sciences, Dow University of Health Sciences, Karachi, provides comprehensive psychiatric, psychosocial, and rehabilitative services for inpatients and outpatients with mental health and substance use disorders at an affordable cost. With separate male and female wards, private and luxury rooms, it ensures quality care in a spacious environment. IBS-DUHS contributes to academics by training MBBS, FCPS, MCPS, and DPM students, while heading the BS Psychology program and offering internships to nursing, psychology, pharmacy, occupational therapy and sociology students. Actively engaged in research and community outreach, IBS-DUHS advances mental health awareness, education, and patient-centered care.

XIII. School of Public Health (SPH)

Established in 2012 at the Ojha Campus, the School of Public Health (SPH) is the first public health school in a public sector university of Sindh. Its mission is to improve population health by addressing Pakistan's major health challenges through education, research, and community engagement. SPH offers accredited programs including BS Nutrition, BS Public Health, Master of Public Health (MPH), and MSc in Biostatistics and Epidemiology. Faculty and students conduct community-based research on communicable and non-communicable diseases, nutrition, and health policy. Dedicated divisions focus on epidemiology, nutrition, and health economics, ensuring specialized training. By integrating teaching, research, and outreach, SPH develops public health leaders and contributes to evidence-based policy and improved healthcare outcomes in Pakistan.

XIV. National Institute of Diabetes and Endocrinology (NIDE)

NIDE, a DUHS clinical & teaching institute, specializes in diabetes and endocrine disorders. It provides high-quality clinical care while offering postgraduate training, including FCPS in

Endocrinology and MSc in Diabetes & Endocrinology. With rising rates of diabetes in Pakistan, NIDE also conducts regular public awareness programs. The institute's Eye Care Center provides diabetic retinopathy screening, angiography, and laser treatment, while patients benefit from foot care, nutrition counseling, and endocrine disease management (thyroid, obesity, growth disorders). Thousands of patients are registered, reflecting NIDE's role as both a treatment hub and an academic center. By combining clinical services, research, and professional training, NIDE plays a vital role in addressing one of Pakistan's most pressing health challenges.

XV. Dow Institute of Radiology (DIR)

Established in 2008, the Dow Institute of Radiology (DIR) provides advanced imaging services, education, and research. With over 40 radiologists and sonologists, DIR offers cutting-edge diagnostic facilities including X-ray, ultrasound with Doppler, fluoroscopy, DEXA scan, echocardiography, mammography, CT (128 & 16-slice), MRI, interventional radiology, and OPG. Its services are available across multiple campuses, including Dow LEJ Campus (24/7 CT & MRI), Malir Chest Clinic, Naziabad Chest Clinic, and DHA City Center. Alongside patient services, DIR trains technologists and postgraduates in radiology, maintaining high standards of teaching and clinical application. With modern technology, experienced faculty, and affordable care, DIR remains at the forefront of diagnostic imaging in Pakistan.

XVI. Dow Institute of Health Professionals Education (DIHPE)

DIHPE is Pakistan's first dedicated health professional education institute, established to strengthen teaching, curriculum development, assessment, and research in medical education. Since 2009, it has offered the country's first Master of Health Professions Education (MHPE) program, producing graduates who now serve in leading universities across Pakistan and abroad. The institute also conducts Continuing Professional Development (CPD) courses, including the mandatory six-month Certificate in Health Professions Education (CHPE) for DUHS faculty. Through structured programs and short courses, it enhances the quality of teaching and learning in healthcare, ensuring DUHS remains at the forefront of educational excellence.

XVII. Dow College of Biotechnology (DCOB)

Dow College of Biotechnology (DCoB), established in 2016, offers a four-year BS Biotechnology program and supports postgraduate teaching and research (MPhil, PhD). With nationally and internationally qualified faculty, DCoB emphasizes both theoretical knowledge and hands-on learning. Its modern facilities include three lecture halls, research and academic labs, a seminar hall, library, thesis rooms, and a bioinformatics suite. The in-house "Dow Fly Research Lab and Stock Center" provides commercial research services, including screening of natural and synthetic compounds. By integrating biotechnology education with practical laboratory and field studies, DCoB prepares students for careers in research, healthcare, and industry, while advancing applied biotechnology research in Pakistan.

XVIII. School of Dental Care Professional (SDCP)

Established in 2007, SDCP is Pakistan's pioneer in training dental auxiliaries—professionals who assist dentists in clinical and laboratory care. It offers two undergraduate programs: BS in Dental Hygiene and BS in Dental Technology. Graduates are trained in "four-handed dentistry," improving efficiency and patient care. With a strong history of over a decade, SDCP has produced skilled dental hygienists and technologists who now work across Pakistan and abroad, particularly in Saudi Arabia, the UK, Canada, and Australia. By combining modern training, research, and international standards, SDCP continues to strengthen the dental healthcare workforce and improve patient outcomes globally.

DOW UNIVERSITY OF HEALTH SCIENCES

DUHS

ANNUAL STANDARDIZED REPORT

2024-25

CHAPTER 1

ACADEMIC ACTIVITIES

Programs Overview

- **Enrollment: ~7,893 undergraduate & postgraduate students.**
- **Faculty/Staff: Approximately 993 permanent and visiting faculty and over 3,000 employees.**
- **Programs: 19 colleges/institutes offering MBBS, BDS, DPT, Pharm-D, Nursing, Biotechnology, Business, and 40+ postgraduate specialties.**

Undergraduate Programs

MBBS	BDS
Doctor of Physiotherapy (DPT)	Doctor of Pharmacy (Pharm-D)
BS Optometry	BS Radiologic Technology (BSRT)
BS Nursing (BSN)	Post RN BS Nursing (Post RN BSN)
Post RN BS Midwifery (Post RN BSM)	BS Biotechnology
BS Nutrition	BS Public Health
BS Medical Technology (BSMT)	BBA
BS Accounting & Finance	BS Dental Care Professional - Dental Hygiene
BS Dental Care Professional - Dental Technology	BS Psychology
BS Forensic Sciences	BS Cardiovascular Technology

Postgraduate Programs

Masters in Dental Surgery (MDS) - 4 Year.

Dental Materials	Oral Pathology
Community Dentistry	Oral Biology

Clinical Sciences.

Operative Dentistry	Oral Surgery
Prosthodontics	Orthodontics

Masters in Science Dental Surgery (MSc. DS) - 2 Years.

Community Dentistry	Dental Materials
Oral Biology	Oral Pathology

Operative Dentistry	Prosthodontics
Periodontics	Oral Medicine
Oral & Maxillofacial Surgery	

Masters Programs.

Masters in Biostatistics & Epidemiology (MSBE)	Masters in Health Professions Education (MHPE)
Masters in Advanced Physiotherapy (MSAPT)	Masters in Nursing (MSN)
Master's in Public Health (MPH)	MBA
Executive MBA (EMBA)	MSc. Diabetes & Endocrinology (MSc. D&E)

Clinical Diploma Programs.

DA - Anesthesiology	DO - Ophthalmology
DPM - Psychiatric Medicine	DLO - Laryngo Otorhinology
DFM - Family Medicine	DMJ - Medical Jurisprudence
Dip-Card - Cardiology	DCCM - Critical Care Medicine
DCH - Child Health	D-DERM - Dermatology
DMRD - Radiology	DTCD - Tuberculosis & Chest Diseases
Diploma in Forensic Medicine	

FCPS-II Fellowship Programs.

ENT	Medicine
Radiology	Pediatrics
Psychiatry	Orthodontics
Gynecology	Orthopedic
Anesthesiology	Surgery
Pulmonology	Ophthalmology
Oral Surgery	Dermatology
Operative Dentistry	Neurology
Prosthodontics	Community Medicine
Cardiology	Cardiac Surgery
Physical Medicine & Rehabilitation	

Doctor of Medicine (MD) Specialties.

Family Medicine	Anesthesiology
Neurology	Cardiology
Psychiatry	Emergency Medicine
Radiology	Critical Care Medicine
Dermatology	Pulmonology

Master of Surgery (MS) Specialties.

ENT	Plastic Surgery
Orthopedic Surgery	Cardiac Surgery
Neurosurgery	

MPhil Programs.

Anatomy	Pathology

Hematology	Physiology
Histopathology	Molecular Pathology
Biochemistry	Medical Genetics
Pharmacology	Microbiology
MPhil in Pharmaceutical Sciences (Pharmacology, Pharmaceutics, Pharmacy Practice)	

PhD Programs.

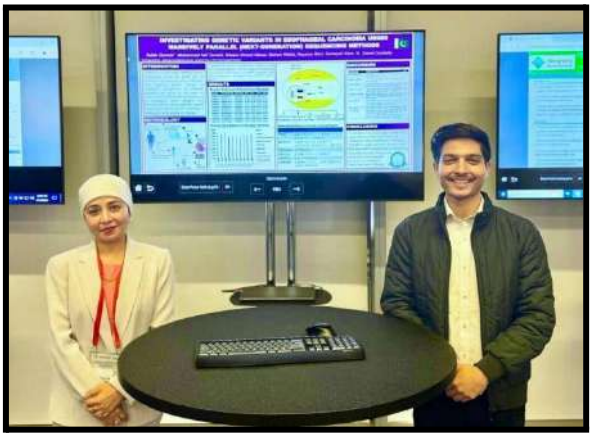
Anatomy	Pharmacology
Chemical Pathology	Physiology
Public Health	Community Dentistry
Oral Pathology	Medicine
Molecular Pathology	Oral Biology
Histopathology	Gynae & Obs
Oral Surgery	Biochemistry
Medical Microbiology	

1.2. ACADEMIC ACHIEVEMENTS

1.2.1 Healthcare Excellence Award 2024

Dow University of Health Sciences (DUHS) received the prestigious *Healthcare Excellence Award 2024* from the Pakistan Association of Private Medical & Dental Institutions (PAMI). This recognition highlights DUHS's commitment to delivering the highest quality patient care while advancing medical and dental education in Pakistan.

1.2.2 Representation at SAGES 2024



DUHS faculty, Dr. Sajida Qureshi and Dr. Waqas Ahmed Abbasi, represented the University at the *SAGES 2024 Annual Meeting* in Cleveland, Ohio. They presented six original abstracts, including one in the emerging technology module. This achievement reflects DUHS's commitment to innovation and interdisciplinary oncology researching clinical expertise with cutting-edge genomic analysis and bioinformatics.

1.2.3 HEC & Accreditation Approvals for New Programs

DUHS secured NOCs from the Higher Education Commission (HEC) to launch advanced degree programs. Approvals include: MPhil Medical Technology (July 2024), MS Management Sciences (September 2024), PhD Pharmaceutical Chemistry (June 2025), and PhD Physical Therapy (May 2025). These programs strengthen DUHS's academic portfolio.

- **The Allied Health Professional Council provisionally recognized DUHS's allied health programs until February 2025. Accredited disciplines include Doctor of Physical Therapy, BS in Dental, Medical Laboratory, Surgical, Cardiac Care, Ophthalmic, Respiratory Therapy, Nutrition, Radiologic Technology, Optometry, and Psychology. This reinforces DUHS's role in allied health education. The DUHS is provisionally recognized for these disciplines for one year valid up to 19th Feb, 2025.**

1.2.5 DUHS Global Ranking in SDG 3

In THE *Impact Rankings 2025*, DUHS ranked 95th globally in *SDG 3 – Good Health & Well-Being* out of 1,788 institutions. This milestone underscores DUHS's leadership in medical education, research, community health, and its contribution to advancing global healthcare aligned with UN SDGs.

1.2.6 First PhD in Nursing Graduate

DUHS celebrated a historic milestone with its first PhD graduate in Nursing, Dr. Tanseer Ahmed. He completed his degree at the University of Manchester, UK, under the Split-Site PhD Program. This achievement marks a new era in nursing research and academic excellence at DUHS. Dr. Tanseer completed his doctoral degree in November 2024 at the University of Manchester, UK, under the prestigious Split-Site PhD Program, which fosters international academic collaboration and advanced research.

1.2.7 Department of Paedodontics Established

The Dr. Ishrat Ul Ebad Khan Institute of Oral Health Sciences established a dedicated *Department of Paedodontics*. With specialized faculty and PMDC approval, the department prioritizes pediatric oral healthcare and strengthens DUHS's academic standing in pediatric dentistry.

1.2.8 Dow Dental College Achievement

Dr. Saad Uddin Siddiqui of Dow Dental College successfully passed the Faculty of Dentistry (FFD) examination held by the Royal College of Surgeons in Ireland (RCSI) in May 2025. This international achievement highlights DUHS's support for faculty development and academic excellence.

1.2.9 Dow Institute of Medical Technology Achievements

Faculty at DIMT demonstrated remarkable academic and professional engagement during 2024–2025. They organized and facilitated conferences, workshops, and seminars, including participation in the International Allied Health Sciences Research Conference, Health Asia Exhibition, and IoBM Education Conference.

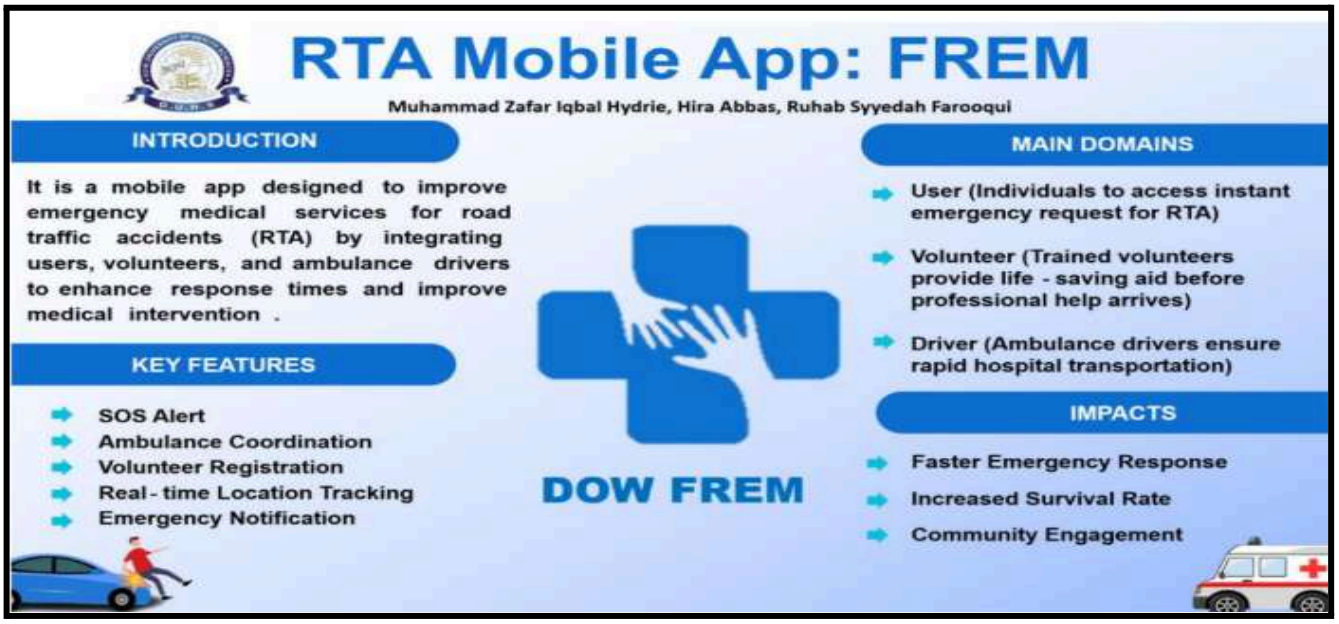
Faculty contributed through research papers, poster presentations, and specialized workshops on AI, clinical refraction, and low vision assessment. Community initiatives included awareness sessions, eye screening camps, and health-related activities. DIMT faculty also supervised student research, led poster competitions, and participated in national observances such as Perfusion Day and Surgical Technologist Week, reflecting their leadership in education, research, and community service, including:

1.2.10 School of Public Health (SPH)

The School of Public Health (SPH) integrates education, research, and community engagement to address pressing public health issues. Faculty actively secure national and international grants, supporting impactful research in population health. Key funding partners include the World Health Organization, The Conservation, Food & Health Foundation, HEC's NRPU, the Ministry of Health's Health Research Institute, pharmaceutical industry collaborators, and Vice Chancellor's seed funding initiatives. This strong research base reinforces SPH's role as a leader in advancing evidence-based public health practices.

1.2.10.2 School of Public Health: FREM App – *First Response to Emergency Management*

The First Response to Emergency Management (FREM) mobile application, developed under the NRPU Project #14460 by PI: Dr. Muhammad Zafar Iqbal Hydrie, SPH- DUHS and Co-PIs: Dr. Owais Raza, SPH- DUHS and Dr. Nadeem Mahmood, UBIT-UOK. It aims to improve emergency medical services for road traffic accidents (RTA). By integrating users, volunteers, and ambulance drivers, the app enhances response times and medical intervention. Its key features include SOS alert, ambulance coordination, volunteer registration, real-time location tracking, and emergency notifications. The app is expected to create significant impact by ensuring faster emergency response, increasing survival rates, and promoting community engagement.



1.2.11 Dow Institute of Physical Medicine & Rehabilitation (DIPMR)

DIPMR achieved significant progress in 2024–2025. Dr. Faisal Yamin was nominated by the Government of Pakistan for Traditional Chinese Medicine training in China. Dr. Sarfaraz contributed to the launch of DUHS's first PhD program in Physiotherapy, beginning June 2025. The induction of audiologist Ms. Nuzhat Sultana further strengthened the clinical faculty. These accomplishments highlight DIPMR's commitment to advancing physiotherapy education and expanding clinical services, ensuring both academic excellence and improved patient care.

1.2.12 National Institute of Diabetes & Endocrinology (NIDE)

NIDE marked key milestones by graduating its first fellow in Endocrinology and securing approval for a new Diploma in Diabetes Education. Weekly Continuing Medical Education (CME) sessions are held for postgraduate trainees and faculty, ensuring up-to-date knowledge and professional growth. These achievements reinforce NIDE's mission to strengthen specialized education and enhance patient-centered care in endocrinology and diabetes management.

1.2.13 Dow Institute of Health Professions Education (DIHPE)

Prof. Farhan Saeed Vakani was nominated as a mentor for the Pakistan-U.S. Alumni Network (PUAN) National Internship Program, beginning June 2025. Through this prestigious initiative, he will mentor aspiring professionals under U.S.-Pakistan collaborations. This recognition underscores DIHPE's leadership in advancing health professions education and fostering international academic exchange.

1.2.14 Dow Institute of Radiology

The Institute of Radiology launched a Fellowship in Neuro Imaging and introduced a flexible one-year Radiographer Program, scheduled on Sundays to support working professionals. Infrastructure development included a state-of-the-art smart lecture hall, enhancing technology-enabled learning. These initiatives demonstrate the Institute's dedication to innovation in radiology education and training.

1.2.15 Dow College of Pharmacy

During 2024–2025, the College of Pharmacy conducted orientation sessions for Pharm. D programs (Morning and Evening). Seven faculty and five students won Vice Chancellor's Seed Fund grants, showcasing a strong research culture. MPhil candidates successfully defended their theses: Aniqa Batool (Pharmacology, Jan 2025), Amreen Saleem (Pharmaceutics, Oct 2024), and Faiza Lakhdir (Pharmacology, Oct 2024). These milestones reflect academic excellence and research productivity.

1.2.16 School of Dental Care Professionals (SDCP)

The SDCP achieved national recognition with the inclusion of *Dental Hygiene* as an allied health profession by the Allied Health Professional Council (June 2024). It also hosted Pakistan's first panel discussion for allied health professionals in collaboration with AHPG, marking October 14, 2024, as International Allied Health Professionals Day. Academic excellence was promoted through expert-led workshops on Oro-facial Pain,



CAD in Digital Dentistry, and Aesthetic Medicine. Student competitions, including Reel-Making and Table Clinics, enhanced innovation and research skills.

The following academic workshops were directed by Prof. Ambrina Qureshi and facilitated by international dental experts:

1. **Oro-facial Pain and Sleep Disorders held in January 2025 facilitated by Dr. Maryam Tahir Siddiqui, Fellow in Oro-facial Pain from UMN, Minnesota currently working as an Adjunct Faculty in Michigan University USA**
2. **Computer-Aided Design (CAD) Software in Digital Dentistry held in February 2025 facilitated by Dr. Omaid K Ahmed, an American Diplomat in Prosthodontics currently working at the N.E.W. Prosthodontics and Implant Center in LLC, USA. This workshop was co-facilitated and supported by Dr. Nauman Idrees Dar of Dar Prosthodents Dental Laboratories Pakistan and Shining 3D Dental China respectively.**
3. **Enhancing Aesthetic Medicine - The integral role of Allied Healthcare Professionals - a helping hand held in February 2025 facilitated by Dr. Zafar Abbas, a facial aesthetic trainer and faculty member of Dow Student Academic Competitions**
4. **The SDCP organized two key student-led competitions: the *Reel-Making Competition 2024* and the *Table Clinics Competition 2025* under the theme *"Digital and Auxiliary Innovation – Revolutionizing Oral Health Care."* These initiatives enhanced students' research aptitude, critical thinking, and application of digital concepts in dental hygiene and technology. They promoted inquiry-based learning, interdisciplinary collaboration, and innovation in oral healthcare solutions. Renowned academic leaders, including Prof. Elham Khateeb (International Association of Dental Research, Palestine Section) and Prof. Navid Rashid Qureshi (President, PDA Karachi Chapter), served as judges and commended the scholarly quality of presentations, recognizing students' potential to shape the future of digital dentistry.**







1.2.17. Advancing Healthcare: DUH's First Vascularized Lymph Nodes Transfer -9 Dec, 2024:

The Department of Plastic Surgery at Dow University Hospital has achieved a significant milestone by successfully performing its first Vascularized Lymph Nodes Transfer for a lymphedema patient. This marks a significant step forward in providing innovative care and improving the quality of life for breast cancer survivors.

The accomplishment reflects the department's dedication to delivering cutting-edge, patient-centered solutions that enhance recovery and well-being.

1.2.18. First Cochlear Implant:

The Department of ENT, Dr. Ruth K.M. Pfau, Civil Hospital Karachi, successfully performed its first Cochlear Implant on Friday, 21st February 2025, in the Dow 78 OT Complex. The procedure was conducted on a four-year-old boy with profound hearing loss, marking a significant milestone for the department.



1.3. FOREIGN ACADEMIC LINKAGES

Dow University of Health Sciences established academic linkages that were continued or established with the foreign medical boards/associations/universities, including the following:

FOREIGN ACADEMIC LINKAGES	
1.	**Stem Cell Medical University, California, USA**
2.	**Vanderbilt University, USA**
3.	**Reliance Medical Clinics, PLLC - Medical Student Exchange, USA**
4.	**Duke University Health System, Inc. & University of New Mexico, UK**
5.	**DOGANA (Dow Graduate Association of North America)**
6.	**AMRCB for Accreditation Fee**
7.	**University Sultan Zainal Abidin, Malaysia**
8.	**University of Maryland Medical Centre (UMMC), USA**
9.	**International Committee of the Red Cross (ICRC), Geneva, Switzerland**
10.	**Florida International University - Herbert Wertheim College of Medicine (FIU-COM)**
11.	**The University of Huddersfield**
12.	**Queen Mary University of London**
13.	**The University of Manitoba**
14.	**Chapman University, USA,**
15.	**The Karaganda Medical University (Republic of Kazakhstan)**
16.	**Université de Lausanne Hôpital Ophtalmique Jules-Gonin Lausanne, Switzerland**
17.	**Department of Pathology and Immunology PATIM, University of Geneva, Switzerland**
18.	**National University of Singapore**
19.	**The University of Toledo, USA**
20.	**Jalal-Abad State University named after B. Osmonov (Republic Kyrgyz)**
21.	**Supreme Board for Drugs and Medical Appliances, Ministry of Health and Population, (Republican of Yemen Aljardaa Area, Sanna'a, Yemen)**
22.	**Salford Royal NHS Foundation Trust Hospital UK**
23.	**International Medical Relief Agency, IMRA UK**
24.	**The University of Toledo, USA**
25.	**University of Manchester, United Kingdom**

1.4. HONORS AND AWARDS

DUHS achieved wide recognition across research, education, and global platforms in 2024–2025. The Dow Fly Research Lab was listed in FLYBASE, highlighting its genetics research. NIDE faculty represented DUHS at the IDF World Diabetes Congress 2025. DIMT faculty and students won multiple poster and oral presentation awards nationally and internationally, while several earned global certifications. Dr. Lubna Avesi (DIMC) achieved Oncology Data Specialist certification (USA), and DUHS faculty completed prestigious fellowships (FRCR, FCPS-II). Prof. Naresh Kumar (DDC) received an award from the Governor of Sindh. SDCP faculty also earned international honors for leadership, humanitarian work, and academic excellence.

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- ***Prof. Naresh Kumar (DDC) received an award from the Governor of Sindh.***
- ***SDCP faculty also earned international honors for leadership, humanitarian work, and academic excellence.***

1.4.1 Dow Fly Research Lab:

The Dow Fly Research Lab and Stock Center earned recognition in *FLYBASE*, the global database of active genetics research labs. This acknowledgment highlights the Lab's contribution to advancing genetic and biological research, placing DUHS on the international scientific map. The recognition underscores the expertise and dedication of researchers working in entomology and genetics.



1.4.2 National Institute of Diabetes & Endocrinology (NIDE)

At the *IDF World Diabetes Congress 2025* in Lisbon, Dr. Nazish Fatima and Ms. Tahmina Rashid represented DUHS by presenting posters on diabetes and clinical nutrition. Their participation demonstrated DUHS's ongoing global contributions to diabetes education, research, and patient care.

1.4.3 Dow Institute of Medical Technology (DIMT)

DIMT faculty and students achieved multiple honors. Awards included Best Poster at Health Asia 2024, poster distinctions at AKUH Conference, and an Oral Presentation Award at AIHSRC 2025. Faculty also served as keynote speakers, jury members, and mentors, while several obtained certifications (HCPC UK, BLS, Evidence-Based Practice, NAHE-HEC). These recognitions reflect DIMT's leadership in allied health sciences.

1.4.4 Dow International Medical College (DIMC)

Dr. Lubna Avesi received international certification as an Oncology Data Specialist from Virginia, USA. This prestigious achievement strengthens DIMC's academic reputation and reflects its commitment to global standards in oncology research, education, and data management.

1.4.5 DUHS Faculty – Postgraduate Achievements

Several DUHS faculty attained major postgraduate milestones. Dr. Mahnoor Hafiz earned the Fellowship of the Royal College of Radiology (FRCR, UK), while Drs. Shireen, Anmol, Sara, and Ammara successfully completed FCPS-II in their specialties. These accomplishments highlight DUHS's investment in advanced training and professional growth.

1.4.6 Dow Dental College (DDC)

Prof. Naresh Kumar was honored with an award for academic and research excellence by the Governor of Sindh during the DUHS-APPNA Winter Meeting 2024. This recognition underscores his outstanding contributions to dental education and research and the event was organized in collaboration with the Association of Physicians of Pakistani Descent of North America (APPNA) on December 21, 2024.



1.4.7 School of Dental Care Professionals (SDCP)



SDCP faculty earned multiple distinctions. Prof. Ambrina Qureshi received the Social Impact & Humanitarian Award at the *WOW Dentistry Congress 2025* in Azerbaijan and served as an invited national speaker at KMU's Public Health Conference. She was also appointed as an approved supervisor in Community Dentistry.

Dr. Hammad Uddin was acknowledged for contributions to the Prime Minister's Green Youth Club and approved as a supervisor for Dental Materials.

1.5. INSTITUTIONAL LINKAGES

S #	Name	Key Initiatives to be Undertaken	Field	Scope of Collaboration	Duration	Date
1.	FAIMER International	Membership of Medical Schools	Medicine and Surgery	Medical Education Research		January, 2024
2.	Institute of Innovation Leadership in Medicine	MoU to jointly organize and execute various projects and activities	Healthcare Management	Academic	2 Years	1st Sep, 2023
3.	HASMANI'S Group of Hospitals	FCPS Trainees of Ophthalmologists	Ophthalmology	Academic	2 Years	12th Apr, 2022
4.	Salim Habib University	Strengthen and promote academic-industry relationship	Biomedical Engineering	Academic	5 Years	28th Oct, 2021
5.	IBA-Center of Executive Education	To establish mutual collaboration between the IBHM, DUHS and CEE, IBA	Healthcare Management	Academic	3 Years	11th Aug, 2021
6.	Chinese Academy of Sciences	Fellowship	Research	Research		Sept. 2024
7.	Kiran Hospital	MoU	Nuclear Medicine	For better exposure of nuclear medicine for students	-	-
8.	Central Drug Laboratory, DRAP	Linkage	Final year PharmD students	Academic for internship	-	Feb 2025
9.	European Association of Dental Public Health	Individual Membership	Research	Review on Sustainability and Oral Health through preventive strategies	-	Since January 2025
10.	Health Services Academy, Islamabad	Adjunct Faculty	Postgraduate diploma in Oral Public Health	Academic	-	Until Sept 2025









1.5.1 Institutional Linkages

1. Martin Dow Limited	2. Indus Hospital Karachi
3. Patel Hospital, Karachi	4. Al Umeed Rehabilitation Center
5. Karachi Adventist Hospital	6. University of Kohaat
7. Tabba Heart Institute, Karachi	8. Indus Pharma
9. Darul-Sehat Hospital, Karachi	10. Pakistan Pharmaceutical Manufacturers Association, PPMA
11. Aga Khan University, Karachi	12. Institute of Leadership
13. Institute of Business Administration (IBA, Karachi)	14. Institute of Financial Markets of Pakistan (IFMP) IFMP
15. Chandka Medical College, Larkana	16. Shaheed Benazir Bhutto Women University (SBBWU), Peshawar
17. Jinnah Postgraduate Medical Center, Karachi	18. Centre of Proteomics, University of Karachi
19. Ghulam Muhammad Mehr Medical College, Sukkur	20. Institute of Sustainable Halophyte Utilization, University of Karachi,
21. Pakistan Standard Quality Control Authority (PSQCA)	22. ICCBS, University of Karachi
23. Pakistan Council for Scientific And Industrial Research (PCSIR)	24. United Medical & Dental College and Institute of Medical Sciences
25. Educational Commission for Foreign Medical Graduates (ECFMG)	26. KIBGE, University of Karachi, Karachi
27. Executive Membership from Sindh Province In Scaling Up Nutrition Academia & Research (SUNAR)	28. Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology
29. Post-Graduation Diploma & training programs of PIQC Institute of Quality	30. Jinnah University for Women
31. Foundation for the Advancement of International Medical Education and Research (FAIMER)	32. Shifa International Hospitals Limited, Islamabad.
33. Defense Science And Technology Organization (DESTO), Pakistan	34. Baluchistan Awami Endowment Fund Social Welfare Department (Govt. of Baluchistan)
35. Toastmasters Club International	36. Nova Care (Dvago) Pharmacy chain
37. Institute Of Leadership Excellence (ILE)	38. Herbion Pharma for Internships
39. Dr. Ruth Pfau Civil Hospital, Karachi	40. National Institute of Cardiovascular Diseases (NICVD)
41. Karachi Relief Trust	42. Islamic Relief Pakistan
43. United Nations Children's Fund (UNICEF).	

DOW UNIVERSITY OF HEALTH SCIENCES

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CHAPTER 2

RESEARCH AND DEVELOPMENT

2.1. RESEARCH & DEVELOPMENT

DUHS established the Office of Research, Innovation, and Commercialization (ORIC) in 2019 to foster a strong research culture, support knowledge transfer, and promote commercialization of innovative research through incubation, bioequivalence studies, and clinical trials.

ORIC DUHS is amongst the top 10 research intensive universities in Pakistan and #1 amongst the medical sciences Universities in the public sector according to the HEC self-assessment report. The following are the scores of the performance of the ORIC of the past three years, as validated by the HEC, the funding and foundation organization of the ORICs all across Pakistan.

An Overview:

- **Research Projects: 20+ newly launched in 2024–25, covering diabetes, cancer, infectious diseases, genomics, and nutrition.**
- **Completed Projects: 10+ across biomedical and clinical fields.**
- **Publications: 1,380 (2024–25), with rising contributions in Scopus-indexed journals.**
- **Dow Fly Research Lab listed in FLYBASE, placing DUHS on the global genetics research map.**
- **Journal of DUHS (JDUHS): Scopus-indexed, publishing 3 issues annually.**
- **ORIC Ranking: Among Pakistan's Top 10 research universities; #1 in public medical sciences universities.**
- **Innovation Platforms: 8th DUHS-DICE Health Innovation Exhibition & Hult Prize empowered student entrepreneurship.**

ORIC's Top-Tier Performance Scores by HEC, Pakistan

Year	Scores Validated by HEC
2021-22	69 (X Category)
2022-23	71.5 (X Category)
2023-24	73.5 (X category)

2.1.2 Objectives

The objectives of research and development at DUHS are:

a) **To facilitate integration of research culture within DUHS.**

b) **To broaden the new knowledge generation and develop research capacity across all faculties of the University.**

c) **To encourage faculty and students to conduct research and publish related findings.**

d) **To enhance graduate research activities across all schools/colleges/institutes.**

e) **To encourage faculty to disseminate teaching based on research knowledge.**

f) **Commercialize research and development to subsidize research and academic activities within DUHS.**

I. Key Functions: Committees and Boards

2.1.3 Scientific Research Committee.

Formed in 2012, this committee reviews Master's and equivalent research proposals, guides investigators, and issues approvals after scientific evaluation and suggested modifications.

2.1.4 PhD Advisory Committee.

This committee scientifically reviews doctoral research synopses, provides expert feedback, and ensures proposals are ready for IRB submission.

2.1.5 Board of Advanced Studies & Research (BASR).

Chaired by the Vice Chancellor, BASR oversees postgraduate research degrees, thesis approvals, examiner selection, supervisor appointments, and research regulations.

2.1.6 Institutional Review Board (IRB).

All DUHS research requires IRB approval. The 14-member multidisciplinary body ensures ethical compliance and also extends services to institutes without IRB facilities.

II. Capacity Building in Research

2.1.7 Workshops.

ORIC organizes hands-on workshops on SPSS, SAS, Excel, EndNote, Study design, and research writing to build research skills.

2.1.8 Training Sessions.

IT, vocational, data analysis, and clinical research training sessions are conducted to enhance faculty and student research capabilities.

2.1.9 Research Publication Management.

ORIC maintains a database of all faculty and student publications, tracking progress and output.

2.1.10 Research Project Management.

The office manages records of newly completed and ongoing funded research projects.

2.1.11 Research Funding Administration.

External funded projects are reviewed, approved, and monitored for progress before submission to sponsors.

2.1.12 Collaborations.

ORIC fosters national and international collaborations, enabling joint research and grant writing opportunities.

III. THE JOURNAL OF DOW UNIVERSITY OF HEALTH SCIENCES (JDUHS)

2.1.13 JDUHS
Since 2007, DUHS publishes a peer-reviewed, open-access biomedical journal (JDUHS), issued thrice yearly. It is HEC-recognized (Y category), Scopus indexed, and promotes dissemination of high-quality healthcare research.

IV. DUHS - DICE HEALTH INNOVATION EXHIBITION

2.2 DUHS-DICE Health Innovation & HULT Prize Events

DUHS, with DICE Foundation USA, annually hosts the Health Innovation Exhibition, uniting academia, industry, and entrepreneurs to promote health innovation and economic growth. The 8th exhibition was held on 25th Feb 2025, followed by the HULT Prize on 26th Feb, showcasing student-led sustainable entrepreneurial solutions.

V. Academic Research Activities at the University:

A. **Undergraduate Students Research Activities:** A research component is also incorporated in the MBBS curriculum of DUHS along with other curricula of most of the academic programs offered at the Bachelor's level, including BBA. Each workgroup works with a faculty member of DUHS to accomplish their research objectives, as per their curriculum design.

B. **Postgraduate Programs:** The Research Department facilitates most of the research at the postgraduate program level, including Masters', MPhil and PhD scholars.

C. **Summer Short Courses: The** Department has initiated three months summer short courses. The courses on Applied Biostatistics, Fundamental Epidemiology, Statistical software, EndNote, helpful in health sciences research, are taught from June to August each year.

D. **Training on Biostatistics and Research Methodology:** The department also facilitates training on specific topics of biostatistics and research methodology. Several workshops have been conducted by the faculty of the Research Department on the same.

E. **Statistical Consultation:** Department consults with faculty and students to conduct and coordinate all statistical works to different academic and research-based organizations around Pakistan, including those from the pharmaceutical industry. These services include, but are not limited to, sample size calculation, data entry, data analysis and formatted table & graph of the output of the analyses.

F. **Research Writing Consultation:** Department also provides consultation in writing analysis and result sections of the research project/report. Besides investigators who want to write by themselves, the department guides them on how to interpret the statistical results.

G. **Research Protocol Review Guidelines:** The faculty also assists research students and faculty about the processes of research work and writing including questionnaire formatting, structure of protocol, literature review and consent form.

2.2. RESEARCH PROJECTS

2.2.1. COMPLETED PROJECTS- FUNDED

S #	Name of Grant Awarding Body	Title of Project
1	SRSP	Development & Genetic Characterization of Amelogenesis Imperfecta Model in Drosophila melanogaster

2	SRSP	Cobra's & Russell's Viper Venom Neutralization by Bio fabrication of Titanium Oxide Nanoparticles
3	SRSP	AN Apple a day keep the virus away: Investigating the Antiviral effects of golden delicious apple against dengue and chikungunya
4	SRSP	Pharmacogenomics Expression and Association of Functional Proteins as Potential Makers in women with Polycystic Ovaries
5	SRSP	Assessment of Antibiotic Combination against carbapenemase producing Escherichia Coil with blaNDM-1 and blaOXA-48 resistance gene.
6	SRSP	Oral Submucous Fibrosis and Epithelial Medenchymal Transition; the Association of Salivary E-Cadherin and MMP-28 in young adults.
7	Child Global Oral Health Fund, King's College London, UK	A pilot study on the global practice of informed consent in pediatric dentistry

VI. Total Number of Completed Projects in 2024-2025 by the Institute of Biological, Biochemical, and Pharmaceutical Sciences (IBBPS):

S #	Project Name	Focus Area	Sponsor Body
1	LVRNA021	COVID-19	AIM Vaccine Co. Ltd
2	ACORN-HAI	Hospital Acquired Infection	National University of Singapore / Welcome Trust
3	ACTIV-2d	COVID-19 oral antiviral trial (nonhospitalized)	Shionogi & Co. Ltd

2.2.2. NEWLY LAUNCHED PROJECTS 2024-2025

S #	Name of Faculty	Theme/Title of Project	Funded by
1	Dr Hina Yasin	An Apple a Day Keeps the Viruses Away: Investigating the Antiviral effects of Golden Delicious Apples Against Dengue and Chikungunya	HEC
2	Dr Rifat Yasmin	Designing and characterization of Nano dispersion of selective SERM compound.	VCSFI 2024
3	Dr. Najia Rahim	Model-Informed Precision Dosing Approach to Elucidate Paclitaxel-Induced Adverse Drug Reactions among Breast Cancer Patients: Envisioning the Future of Personalized Treatment	14.5 Lac for research project under VCSFI 2024-2025
4	Dr. Sadia Shakeel	Pharmacokinetic and Pharmacodynamic Model-based dose rationalization of novel BPaL regimen for the treatment of drug-resistant tuberculosis.	14.5 Lac for research project under VCSFI 2024-2025
5	Dr. Mehwish Rizvi	Investigation of senolytic potential of polyphenols against chemically induced Senescence in human microglial-like cells	VCSFI 2024
6	Dr Faheema Siddiqui	Oral Submucous Fibrosis and Epithelial Medenchymal Transition; the Association of Salivary E-Cadherin and MMP-28 in young adults.	Newly Launched
7	Dr. Shumaila Aman:	Evaluating Antimicrobial compounds from natural source against resistant Candida species	Not Funded
8	Prof. Dr. Sumbul Shamim	Flavonoid Intervention in Epilepsy: Baicalein with mTOR and HMGB1 Dynamics	Newly Launched
9	Dr Kashif Shafique	Policy dialogue on Healthy School Nutrition Environment	GoP, 2024-25)
10	Dr. Nilofer Fatimi Safdar	Development of a Gender-Responsive Policy Framework:	(GAIN 2024-25)

11	Nadia Shah	The effectiveness of Nutrition & Exercise education and Lifestyle intervention in work place setting	(UNITE-study 1 million PKR 2025
12	Sukaina Shabbir	A school-based Feasibility Quasi-Experimental trial to prevent obesity among children aged 4-6 years: Toybox study-Pakistan.	Funded-0.5 million PKR 2025
13	Tahreem Hussain	Development and validation of a food frequency questionnaire for children aged 0-24 months residing in Karachi, Pakistan	Funded 1 million PKR
14	Mehreen Amer	Impact of Sweetened Sugar Beverages Consumption on Dental Caries among University Students of Dow University of Health Sciences Karachi, Pakistan	Funded-0.5 million PKR 2025
15	Dr. Maria Atif and Prof. Dr. Kashif Shafique	Assessing the effectiveness of an mHealth intervention versus the usual standard of care for improving medication adherence and self-management among type II diabetics in Pakistan	Funded Health Research Institute 2023
16	Prof. Dr. Zafar Iqbal, and Nadia Shah	Assessing the prevalence and impact of mental health disorders amongst flood affected population across Pakistan	Funded Health Research Institute 2023
17	Prof. Dr. Zafar Iqbal and Nadia Shah	Use of Digital Technology for improving Emergency Medical Services to develop mobile apps for Road Awareness and early response to Road Traffic Accidents	HEC NRPU grant 2022
18	Prof. Dr. Ambrina Qureshi	Building dental care professionals and Lady health workers Alliance for prevention of stunted growth in under 5-year-old children through oral health promotion program.	
19	Dr. Athar Khan	Outcomes of surgical periodontal therapy and urea, creatinine levels in type-2 diabetes mellitus patients.	
20	Prof. Dr. Ambrina Qureshi	Oral health care delivery for Jail Inmates in Karachi.	
21	Prof. Dr. Ambrina Qureshi	Integrating oral health care delivery models and interventions with the non-communicable diseases.	

2.3. PUBLICATIONS & AUTHORS CREDITED TO DUHS - CALENDAR YEAR 2024- AND HALF YEAR 2025

Category	2024	2025
W	306	343
X	157	178
Y	158	116
TOTAL 2024 & HALF Year 2025	621	667 = 1288

2.4. CONFERENCES, SEMINARS AND WORKSHOPS

DUHS- ORIC Workshops/Trainings Organized in 2024-2025:

2.4.1 Workshops/Training	Date	Focus Area	Audience Type
1. 21st International Conference on Statistical Sciences at DUHS	9-11 Dec, 2024	Statistical Sciences	Faculty
2. Launch Your Own Chatbot in 4 weeks	21st Aug, 2024	Software Tools	Faculty, Staff, Student
3. Session on "Go To Market Strategy"	8th Oct, 2024	Market Strategy	Faculty, Staff, Student
4. The Big Idea Bootcamp: Generating Ideas for Entrepreneurial Success	5th May, 2025	Business Idea and Innovation	Faculty, Staff, Student
5. Hult Prize Event	29th Jan, 2025	Empower Students	Faculty, Staff, Student

2.4.2 First International Conference on Transplantation- April 11-13, 2025:

The First International Conference on Transplantation (FICT 2025), hosted by the Dow University of Health Sciences in Karachi, Pakistan, from April 11-13, 2025, highlighted advancements in liver, kidney, and bone marrow transplantation, alongside discussions on ethics, public health, policy, and emerging technologies like AI. Key goals included fostering global collaboration, improving access to care, and addressing ethical challenges in transplantation within various cultural contexts.





Key Themes and Topics included Organ-Specific Advancements, Ethics, Policy, and Access, Innovations and Technologies, Living Donor Transplantation, Patient Care and Outcomes.

International Speakers included Prof. John Fung, Prof. John LaMattina, Prof. Paulo Grossi, Dr. Fritz Kurt Herbet Diekman, Prof. Dr. Med. Klemens Budde, Prof. Muhammad Mansoor Mohiuddin and Mr. Amir Ehsan







2.5 RESEARCH JOURNAL:

Journal of Dow University of Health Sciences (JDUHS)

2.5.1 About the Journal

Established in 2007, JDUHS publishes high-quality healthcare research thrice yearly (April, August, December). It is Scopus indexed and placed in the X category, serving as a recognized platform for medical and biomedical sciences research dissemination.

2.5.2 Aims and Scope

JDUHS is a double-blind, peer-reviewed, open-access journal focusing on health sciences, especially research from low- and middle-income countries. It accepts original articles, reviews, short communications, case reports, commentaries, and student research across medical and allied health sciences.

2.5.3 Open Access Statement

All content is freely accessible under the Budapest Open Access Initiative, allowing users to read, copy, download, print, distribute, and link articles without prior permission, promoting unrestricted knowledge sharing in health sciences.

2.5.4 Indexing Information

The journal is approved by PMDC and HEC, indexed in IMEMR, PakMediNet, Google Scholar, EBSCO, ICMJE, Crossref, and CABI. Manuscripts can be submitted via email or the online system, with the abbreviated title "J Dow Univ Health Sci."

2.5.5 Updates of JDUHS

JDUHS follows HEC guidelines through the Open Journal System (OJS). It has strengthened its peer-review with international reviewers and applied for Web of Science (WoS) and other major indexations to expand global visibility.

2.5.6 Published Volumes of the JDUHS:

Volume - 18	**Issue - 2**	**Published on 1st August 2024**
Volume - 18	**Issue - 3**	**Published on 3rd Dec, 2024**
Volume - 19	**Issue - 1**	**Published 2nd April 2025**
Total 03 Issues of Journals published in the month of July 2024 to June 2025		

2.6 RESEARCH COLLABORATIONS

2.6.1. Indigenous Research Collaborations:

S #	Name of Joint Research Grant and Funding Agency	National or International	Name of PI with Designation and Department	Thematic Area
1	Transcriptomic Analysis of Preterm Babies	International	Prof. Dr. Mushtaq Hussain, Principal, DCOB, DUHS	Health Sciences
2.	Atea Pharmaceuticals, Inc. AT-01B-008	International	Dr. Saad Khalid Niaz (Honorary Director)	Hepatitis C Virus (HCV) Infection

2.6.2. Foreign Research Partners:

S #	Collaborating Agency/Institution	Field of Study / Research	Scope of Collaboration
1.	Ningbo Rongan Biological Pharmaceutical Co,	Local Gene Sequencing	Lab services particularly gene sequencing
2.	AIM Vaccine Co Ltd.	Clinical Trial	LVRNA021
3.	Hamilton Health Sciences Corporation	Clinical Trial	ASPIRE-AF
4.	American Society for Microbiology	Microbiology	ASM Ambassador Funding Project for Training and Mentoring
5.	Asia Pacific Biosafety Association (A-PBA)	Biosafety and Biosecurity	Training and Mentoring
6.	University of Sheffield, UK	Tissue Engineering	Preclinical and Toxicological studies of wound dressings
7.	Qatar University, Qatar	Mechanical and Industrial Engineering	Preclinical and Toxicological studies of micro needles
8.	RH Nano pharmaceuticals, USA		Pharmacogenomic Studies
9.	Universite de Lausanne Hospital Opthalmique Jules-Gonin Lausanne	Ophthalmology	Intellectual Disabilities
10.	Department of Pathology and Immunology PATIM, University of Geneva, Switzerland	Cancer Genomics	Tumor Microenvironment
11	QVIA	Clinical Research	Non-Disclosure Agreement (NDA)

12	Questra Clinical Research	Clinical Research/BE	Non-Disclosure Agreement (NDA)
13	Equilab International	Clinical Research/BE	Non-Disclosure Agreement (NDA)
14	Hayya Life Sciences	Clinical Research/BE	Non-Disclosure Agreement (NDA)
15	Dt & CRO	Clinical Research	Strategic Collaboration Agreement
16	Clinsite	Clinical Research	Non-Disclosure Agreement (NDA)
17	Omega	Clinical Research	Non-Disclosure Agreement (NDA)
18	Signant Health	Clinical Research	Non-Disclosure Agreement (NDA)
19	Info kinetics	Clinical Research	Non-Disclosure Agreement (NDA)
20	Farmovs	Clinical Research	Non-Disclosure Agreement (NDA)
21	Alcura Health	Clinical Research	Non-Disclosure Agreement (NDA)
22	SMCT Group LLC	Clinical Research	Non-Disclosure Agreement (NDA)
23	DRK	Clinical Research	Non-Disclosure Agreement (NDA)
24	Minerva Research Solution	Clinical Research	Non-Disclosure Agreement (NDA)
25	Cochrane Collaboration - UK	Oral Health	Systematic Review on Diabetes - Periodontitis Linkage

2.7.3. National Linkages

S#	Collaborating Agency/Institution at the National Level	Field of Study / Research	Scope of Collaboration
1.	Sindh Agriculture University, Tandojam	Health Sciences	Conduction of Trials of Developed Poultry Vaccine
2.	Swiss Pharmaceuticals (Pvt) Ltd.	Health Sciences	CBD Oil Production
3.	GIFT University, University of Gwadar and KIET	Health and Business	collaborative research, innovation, and academic
4.	Service Agreement with the Hilton Pharma LTD. on conducting the Toxicological Studies of the product named: *Semaglutide, Trizepateide and Fercari. (2025)*	Health Sciences	On conducting the Toxicological Studies of the product named: *Semaglutide, Trizepateide and Fercari. (2025)*
5.	Platinum Pharmaceuticals (Pvt.) Ltd	BE Studies	Study Agreement
6.	AGP Limited	BE Studies	Study Agreement /Sponsor-CRO Agreement
7.	M/s. Access Point International Trading Inc	BE Studies	Study Agreement
8.	Highnoon Laboratories Limited	BE Studies	Study Agreement/Nondisclosure Agreement (NDA)
9.	Opal Laboratories	BE Studies	Sponsor-CRO Agreement
10	Scilife Pharma (Pvt.) Limited	QC Testing	Non-Disclosure Agreement (NDA)
11	Rehman Medical Institute	Clinical Trial Site	Non-Disclosure Agreement (NDA)

12	Ziauddin University CTU	Clinical Trial Site	Non-Disclosure Agreement (NDA)
13	Dr. Akbar Niazi Teaching Hospital	Clinical Trial Site	Non-Disclosure Agreement (NDA)
14	Hilton Pharma (Pvt.) Limited	BE Studies	Non-Disclosure Agreement (NDA)
15	Shifa International Hospitals Limited	Clinical Trial Site	Memorandum of Understanding (MoU)

2.7.4. Funding Grants for Research & Development

2.7.4.1. FUNDING GRANTS FOR R&D FROM HEC, 2024-2025:

S #	Name of Research Grant	Title of Research Proposal	Amount Approved (Rs.)	Date of Approval
1.	SINDH RESEARCH SUPPORT PROGRAMME SRSP	"Development & Genetic Characterization of Amelogenesis Imperfecta Model in Drosophila melanogaster"	2000,000/-	13th March 2025
2.	SINDH RESEARCH SUPPORT PROGRAMME SRSP	"Cobra's & Russell's Viper Venom Neutralization by Bio fabrication of Titanium Oxide Nanoparticles"	2400,000/-	13th March 2025
3.	SINDH RESEARCH SUPPORT PROGRAMME SRSP	AN Apple a day keep the virus away: Investigating the Antiviral effects of golden delicious apple against dengue and chikungunya	500,000/-	13th March 2025
4.	SINDH RESEARCH SUPPORT PROGRAMME	Pharmacogenomics Expression and Association of Functional Proteins as	1000,000/-	14th May 2025

	SRSP	Potential Makers in women with Polycystic Ovaries		
5.	SINDH RESEARCH SUPPORT PROGRAMME SRSP	Assessment of Antibiotic Combination against carbapenemase producing Escherichia Coil with blaNDM-1 and blaOXA-48 resistance gene.	675,000/-	14th May 2025
6.	SINDH RESEARCH SUPPORT PROGRAMME SRSP	Oral Submucous Fibrosis and Epithelial Mesenchymal Transition; the Association of Salivary E-Cadherin and MMP-28 in young adults.	750,000/-	14th May 2025

2.7.4.2. FUNDING GRANTS FOR R&D FROM NON-HEC, 2024-2025

S #	Name of Research Grant	Title of Research Proposal	Amount Approved (Rs.)	
1.	American Society for Microbiology	American Society for Microbiology support Grant Feb 2025	$400	13th Feb 2025
2.	American Society for Microbiology	American Society for Microbiology support Grant June 2024	$1500	9th July 2024
3.	Pakistan Science Foundation (PSF)	Early Detection of Oral Pre-Cancerous Lesions among Smokeless Tobacco Users Adolescents by Analyzing Salivary metabolites and Cytokines		
4.	Pakistan Science Foundation (PSF)	Calcified tissue generation using stem cells from human dental pulp: an in-vivo model		

2.7.4.3. VICE CHANCELLOR'S SEED FUNDING INITIATIVE (VCSFI)

The DUHS has established an annual Vice Chancellor's Seed Funding Initiative (VCSFI) for Intramural Funding of Competitive Grant Applications. Besides the HEC grant funds, ORIC-DUHS tracks and manages the disbursement of the University's own seed funding initiative for researchers and scholars, the VCSFI program which is an initiative of Dow University to support top quality research. The ORIC office has been on the up with the provision of services and supporting such initiatives, as a result

over 20 projects from students and faculty which have been funded since 2019. Previous Awardees project Status is that 11 projects are ongoing in the year 2024-2025 out of 31 awarded in 2023-2024.

Application Received = 99 Awarded = 35

S #	Title of Research Proposal	Amount Approved (Rs.)	Sponsoring Agency	Start Date
1	“Quest for Genetic Elements Influencing Outcome of Traumatic Brain Injury using Drosophila melanogaster as Model Organism”	1,000,000/-	VCSFI	7th Nov 2024
2	“Whole Genomic Sequencing, Annotation and Propagation of Wolbachia isolated from Drosophila melanogaster ANU-1”	250, 000/-	VCSFI	7th Nov 2024
3	“In-vitro Study on Big Four Snake Venom Activity Inhibition by bio-fabricated Silver and Titanium Oxide Nanoparticles”	1,000,000/-	VCSFI	7th Nov 2024
4	"Configuration of a Recombinant Uricase Expression System via Genetic Engineering Employing Variance in Uricolytic Activity and Stability"	1,000,000/-	VCSFI	7th Nov 2024
5	"Evaluate the Antioxidant, Anti-Inflammatory, and Antidiabetic Potential of Cannabis sativa L. In Vitro Cultures"	250, 000/-	VCSFI	7th Nov 2024
6	“Role of Inflammation and Oxidative Stress in Development of Mycobacterium Tuberculosis Infection in Type II Diabetes Mellitus Patients in Karachi”	250, 000/-	VCSFI	7th Nov 2024
7	“Novel Gelatin Nanoparticles for efficient and enhanced Anti- Inflammatory Therapy: Formulation, Characterization and Biological Assessment”	1,000,000/-	VCSFI	7th Nov 2024
8	Integrating Genomic Data into patient care: Whole Genome Sequencing of CHIKV and DENY for improved Health outcomes	1,500,000/-	VCSFI	7th Nov 2024

9	Investigating novel biomarkers and polymerase chain reaction as molecular methods to improve diagnosis of viral meningitis	1,500,000/-	VCSFI	7th Nov 2024
10	Evaluation of Osteogenic Differentiation Potential of Human Gingival (hGMSCs) and Periodontal Ligament Stem Cells (hPDLSCs) For Possible Application in Bone Tissue Engineering	950000	VCSFI	7th Nov 2024
11	Investigation of senolytic potential of polyphenols against chemically induced Senescence in human microglia-like cells	800000	VCSFI	7th Nov 2024
12	In-Vitro Determination Of Drug-Drug Interactions Between Different Pharmaceutical Dosage Forms Of Acetaminophen And Aspirin With Various Classes Of Sulfonamides In Mixtures Using Derivative Spectroscopy	842300	VCSFI	7th Nov 2024
13	A Novel Approach in treating Oral Fungal Infections using Crystal Violet-Loaded Edible Films: A way to enhance patient compliance	825000	VCSFI	7th Nov 2024
14	Quality by Design based Fabrication and Optimization of Novel Luteolin Loaded Polymeric Microencapsulation Augmenting Solubility and Bioavailability: Breaking Barriers in Cancer Treatment	900000	VCSFI	7th Nov 2024
15	Pharmacokinetic and Pharmacodynamic Model-based dose rationalization of novel BPaL regimen for the treatment of drug-resistant tuberculosis	1450000	VCSFI	7th Nov 2024
16	Designing and characterization of Nano dispersion of selective SERM compound for treating PCOs patients. A major clinical issue of Pakistani female population	809000	VCSFI	7th Nov 2024
17	Model-Informed Precision Dosing Approach to Elucidate Paclitaxel-Induced Adverse Drug Reactions among Breast Cancer Patients: Envisioning the Future of Personalized Treatment	1450000	VCSFI	7th Nov 2024
18	A school-based to Prevent obesity among children aged 4-6 years-A Feasibility Quasi-Experimental trial in Karachi Pakistan.	500000	VCSFI	7th Nov 2024

19	The effectiveness of Nutrition & Exercise education and Lifestyle intervention in work place setting: Enhancing the lifestyle and work satisfaction/work performance of faculty members working for the Public Sector University (UNITE-study)	999000	VCSFI	7th Nov 2024
20	Development and Validation of Pakistani Food Frequency Questionnaire (FFQ) for children aged 0-24 months residing in Karachi, Pakistan.	921000	VCSFI	7th Nov 2024
21	Empowering Healthcare Teams: The Impact of IPE on Stoma Care Training	250,000	VCSFI	7th Nov 2024
22	A Translational Approach to Evaluate the Pharmacotherapy of Community-Acquired Infections for Drug Related Problems in Hospitalized Pediatric Patients	250000	VCSFI	7th Nov 2024
23	Assessment of Healthcare Cost Burden in patient with Non-Communicable Disease Due to Medication Non-Adherence	250,000	VCSFI	7th Nov 2024
24	Faculty Development Initiative for Implementation of Interprofessional Education Course at Dow University of Health Sciences	225000	VCSFI	7th Nov 2024
25	Drug Utilization Evaluation In Epilepsy Patients With Concomitant Use Of Allium Cepa (Onion) Extract: A Randomized Controlled Trial	250,000	VCSFI	7th Nov 2024
26	Antiretroviral Drug resistance analysis of Integrase strand transfer inhibitors (INSTI) in HIV positive population of Karachi	250000	VCSFI	7th Nov 2024
27	Whole Genome Sequencing, Annotation, and Propagation of Wolbachia isolated from Drosophila melanogaster ANU-1	250,000	VCSFI	7th Nov 2024
28	Optimizing Sepsis Outcomes: Evaluating the impact of Pharmacist intervention in the One-Hour Bundle	250000	VCSFI	7th Nov 2024
29	Therapeutic drug monitoring of linezolid in critically ill patients: Current practice and prospects focusing on optimum clinical outcome	250,000	VCSFI	7th Nov 2024

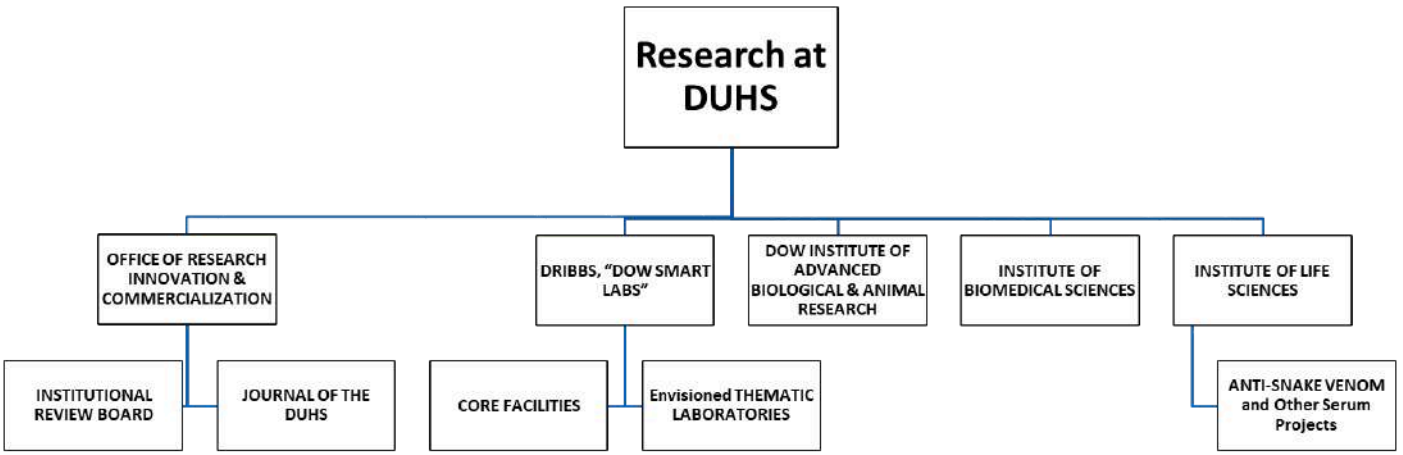
30	Evaluate the Antioxidant, Anti-Inflammatory, and Antidiabetic Potential of Cannabis sativa L. In Vitro Cultures	250000	VCSFI	7th Nov 2024
31	Association of Matrix Metalloproteinase 11, & Angiopoietin-1 and 2 levels with epilepsy	250,000	VCSFI	7th Nov 2024
32	Therapeutic Profiling Of N, N-Dimethyl Biguanide Derivatives: An Approach Towards Overcoming The Multi Drug Resistant Against. Coli	250000	VCSFI	7th Nov 2024
33	Role of Inflammation and Oxidative Stress in Development of Mycobacterium Tuberculosis Infection in Type ll Diabetes Mellitus Patients in Karachi	250,000	VCSFI	7th Nov 2024
34	Morphological, Chemical and Cytotoxicity Characterization of Chicken Feather Fibers and Their Effects on Flexural Properties of Polymeric Denture Base Materials	245800	VCSFI	7th Nov 2024
35	Green Synthesis of Zinc Oxide Nanoparticles using Lens culinaris Seed Extract: Structural Characterization and Biomedical Applications	250,000	VCSFI	7th Nov 2024

2.7.4.4. Operations of the Office of Research, Innovation and Commercialization (ORIC)

Introduction

Established in 2011 under HEC directives, the Office of Research, Innovation, and Commercialization (ORIC) at DUHS promotes research, innovation, and commercialization. ORIC's activities span four key areas: research projects, linkages, innovation support, and commercialization. It provides end-to-end services including R&D support, patents, collaborations, seminars, workshops, and publication honorariums. Serving as the focal point for research at DUHS, ORIC facilitates faculty and scholars in promoting their work nationally and internationally. Acting as a bridge between academia and industry, ORIC strengthens financial and strategic collaborations, contributing to industrial R&D and capacity building.

Re-organization of Research at DUHS as per Strategic Vision 2030



2.7 Vision of ORIC

ORIC, DUHS envisions promoting and aligning impactful research projects that directly address societal needs.

2.7.1 Health Innovation Exhibition

Since 2015, ORIC has organized nine exhibitions, with 2025 featuring 40+ universities, 300+ projects, and significant industry support, leading to 20 funded initiatives.

2.7.2 Workshops, Seminars & Training

ORIC regularly organizes research, entrepreneurship, and technology capacity-building programs to strengthen academia and industry linkages.

2.8 COMMERCIALIZATION ACTIVITIES OF DUHS

2.8.1 NDV Vaccine

The DOW-NDV vaccine, developed at Dow College of Biotechnology, targets Newcastle Disease, a common poultry illness in Pakistan causing major economic losses. Using the lentogenic "LaSota" strain, this live vaccine offers improved protection compared to conventional options. Preclinical assessments show promising safety and efficacy, with animal trials currently underway at Sindh Agriculture University, Tandojam. The vaccine aims to significantly reduce morbidity and mortality rates in poultry, easing the financial burden on Pakistan's poultry industry while contributing to national food security.

2.8.2 EcoOxy Station

The EcoOxy Station is a cyanobacteria-powered air purification system utilizing spirulina to absorb carbon dioxide and harmful pollutants such as nitrous oxide and sulfur dioxide. Designed as multifunctional furniture, it integrates a glass photobioreactor within a seating arrangement, making it suitable for residential, commercial, and industrial use. Beyond air purification, harvested spirulina biomass

serves as biofertilizer, protein supplements, or animal feed. Affordable, practical, and sustainable, the EcoOxy Station represents a dual-purpose innovation that improves environmental health while generating valuable byproducts.

2.8.3 Spiro Essentia Shampoo

Spiro Essentia Shampoo is a sulfate-free, botanical formulation enriched with Spirulina platensis, a nutrient-rich microalga known for restorative properties. Developed in Pakistan, this product introduces a global wellness innovation to South Asia where algae-based consumer goods remain rare. The shampoo is free of harsh chemicals, ensuring safe, regular use while supporting scalp health and natural hair vitality. As a sustainable and nature-inspired alternative, it highlights DUHS's commitment to integrating scientific research into accessible, eco-conscious personal care solutions for local and international markets.

2.8.4 Wal mint Toothpaste

Wal mint Toothpaste transforms walnut shell waste into an eco-friendly oral care product, aligning with global sustainability goals. Free from fluoride, parabens, and artificial dyes, it provides a safe alternative to conventional toothpaste while reducing environmental impact. Preliminary testing shows Wal mint effectively supports oral hygiene comparable to traditional formulations. By merging waste-to-resource innovation with consumer health needs, Wal mint caters to environmentally conscious users seeking sustainable personal care. This initiative reflects DUHS's focus on turning local resources and byproducts into high-value, socially responsible products.

2.8.5 Nano Heal

Nano Heal is a wound treatment innovation utilizing silver nanoparticles in two forms: suspended in water and combined with the antibiotic cefotaxime. Developed as a spray and patch, Nano Heal accelerates wound healing and infection control, offering an alternative to conventional treatments. Silver nanoparticles are known for their antimicrobial activity, while the antibiotic combination enhances effectiveness against resistant pathogens. This innovation provides a versatile, accessible, and scientifically backed solution, representing DUHS's effort to apply nanotechnology in healthcare for improved patient outcomes and faster recovery.

2.8.6 Cam-Plus: A Healing Amalgam

Cam-Plus is a topical ointment formulated with camel milk and ziziphus honey, combining their natural anti-inflammatory and antioxidant properties. This unique blend is designed to support wound healing by reducing inflammation, enhancing tissue repair, and minimizing infection risks. By integrating traditional ingredients with modern formulation techniques, Cam-Plus demonstrates DUHS's innovative approach to affordable, culturally relevant healthcare solutions. It highlights the potential of indigenous natural resources in developing safe, effective treatments that align with both scientific validation and regional healthcare needs.

2.9 Innovation

The Office of Research, Innovation, and Commercialization (ORIC), DUHS actively promotes innovation through workshops, brainstorming sessions, and intellectual property discussions with stakeholders.

2.9.1 DOWRAB

In 2024, DUHS launched DOWRAB, a rabies vaccine marking a major milestone in public health. The launch ceremony, led by Vice Chancellor Prof. Mohammed Saeed Quraishy, highlighted collaboration with Muller and Phipps (M&P) for marketing and distribution. The availability of DOWRAB strengthens DUHS's mission of serving communities by reducing rabies cases nationwide. This initiative not only advances Pakistan's self-reliance in vaccine development but also reflects the University's commitment to social welfare, innovation, and public health impact on a national scale.

2.9.2 Drosocan – Carcinogen Detection System

Drosocan, developed at Dow Fly Research Lab, is an innovative in-vivo system using fruit flies (*Drosophila melanogaster*) to detect carcinogens quickly and cost-effectively. Unlike costly animal models or chemical assays, Drosocan provides faster, reproducible results without ethical concerns. It helps classify carcinogens under IARC guidelines and aligns with four Sustainable Development Goals, including clean water, climate action, health, and life on land. With applications in agriculture, food processing, environmental monitoring, and healthcare, Drosocan demonstrates strong market potential through both B2B and B2C models.

2.9.3 Biosafe Protein Stain

DUHS developed Biosafe Protein Stain as an alternative to Coomassie Brilliant Blue, eliminating hazardous chemicals like methanol and acetic acid from gel electrophoresis. This innovation ensures safer use in labs while reducing environmental risks to land and aquatic ecosystems. Testing confirmed that Biosafe Stain matches the stability and performance of conventional methods while being cost-effective and environmentally friendly. Targeting SDGs 6, 13, and 14, its market lies in research organizations and academic institutions, offering a sustainable replacement for standard protein visualization techniques.

2.9.4 Pilot Scale System for Phycoremediation

DUHS developed a pilot-scale phycoremediation system to treat textile effluent using microalgae. This innovation addresses hazardous dye pollution, improves environmental sustainability, and ensures compliance with global trade requirements for effluent treatment. In addition to reducing costs, the process generates algal biomass, which can be further utilized for biofuel production. This dual benefit supports both the textile industry and energy sector.

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CHAPTER 3

QUALITY ASSURANCE

3.1 IMPACT OF QUALITY ASSURANCE IN THE UNIVERSITY

The Quality Enhancement Cell (QEC) at DUHS was one of the first 30 cells established nationwide in 2006 under HEC's QA framework. Since its inception, the QEC has served as the nerve center of DUHS's quality system, systematically monitoring academic delivery, faculty performance, research initiatives, and student experiences.

The QEC ensures that DUHS's Quality Management System is effectively aligned with HEC's policies and global best practices. It develops, reviews, and implements Self-Assessment Reports (SARs) for all programs, allowing evidence-based evaluation of teaching and learning quality. This includes close collaboration with QMS coordinators and SAR Program Teams to collect authentic student and faculty feedback. The outcomes of these assessments guide curriculum revisions, pedagogical improvements, and accreditation readiness.

Furthermore, QEC monitors and supports the accreditation status of all degree-awarding programs. This ensures compliance with professional councils such as the Pakistan Medical and Dental Council (PMDC), Nursing Council, Pharmacy Council, and allied health authorities, thereby safeguarding the professional recognition of DUHS graduates both nationally and internationally.

QEC also compiles and validates data for DUHS's participation in national and international rankings. This data-driven approach allows the university to identify areas for institutional development and enhance visibility in the global higher education landscape.

Yearly Progress and Recognition

The QEC submits a Yearly Progress Report to HEC, which consistently places DUHS among the top-performing institutions. Its effectiveness is not only measured by compliance but also by how it shapes strategic decision-making at DUHS. The QEC's influence extends to the design of faculty training workshops, research dissemination support, and continuous improvement in program delivery.

3.1.1 QEC Score- Annual Performance Report

Year	QEC Score in Annual Performance Report by HEC Pakistan
2023-24	95.16

3.1.2 Expansion to Affiliated Colleges

Recognizing the growing importance of QA across its extended academic network, DUHS established the QEC Affiliated Colleges Department in 2023 on HEC's recommendation. This division integrates affiliated institutions into DUHS's broader

QA framework, ensuring that partner colleges adhere to the same rigorous standards of quality.

The QEC Affiliated Colleges Division collaborates with HEC, accreditation councils, and affiliated institutions to monitor quality gaps and introduce corrective measures. This includes strengthening faculty performance evaluations, updating curricula in line with regulatory guidelines, and promoting innovation in teaching. The establishment of department-specific QA cells within affiliated colleges enhances communication, streamlines reporting, and ensures that DUHS's reputation for excellence extends across its educational network.

By embedding QA systems in affiliated colleges, DUHS has expanded its influence, creating a more cohesive and standardized approach to quality assurance in health sciences education across the province. This initiative has reinforced DUHS's leadership role in shaping medical education not only within Karachi but also across Pakistan.

3.1.3 Impact of Quality Assurance at DUHS

The impact of quality assurance at DUHS has been notable, embedding a culture of accountability, evidence-based decision-making, and academic excellence throughout the university. Since the establishment of its QEC in 2006, DUHS has implemented robust systems for student feedback, program evaluation, institutional review, and accreditation monitoring.

This commitment has led to consistently high HEC QEC performance scores and recognition in both national and international rankings, particularly in areas such as global health impact (SDG 3). The QEC has also expanded its reach to affiliated colleges, ensuring that DUHS's quality culture permeates beyond the central campus.

While rankings show fluctuations due to competitive global dynamics, the overall trajectory demonstrates that DUHS's QA system has positioned the university as a leading center of health sciences education in Pakistan. Moving forward, continuous adaptation, faculty development, and strategic international partnerships will be key to sustaining and enhancing DUHS's global reputation.

3.2 QUALITY ENHANCEMENT CELL AT DUHS

3.2.1 Effectiveness of QEC-DUHS

The QEC at DUHS consistently achieves strong recognition from HEC. Its Yearly Progress Report for 2024–25, like in previous years, has been rated as top tier, reflecting the effectiveness of its processes. This demonstrates DUHS's commitment to meeting and exceeding HEC's requirements for academic quality, program evaluation, and institutional effectiveness across teaching, learning, and research standards.

3.2.2 Status as of 2024 - 2025	
QEC Assessments	
No. of Academic Programs Assessed through Self-Assessment Reporting	• Completed for All degree awarding programs. • A total of Eight SARs has been prepared in accordance with the new HEC Revamped Quality Assurance Framework – Pakistan Precepts, Standards, and Guidelines (PSG-2023) for Quality Assurance in Higher Education. • These reports cover the following programs: BBA, MBA, EMBA, BS Biotechnology, BDS, MBBS, Pharm-D, and BS Nutrition. • Each SAR has been developed in line with the standards defined under the new Guideline of PREE
No. of Courses Assessed (Course-Wise Assessment Evaluations)	1553 Courses Assessed Online
No. of Faculty Assessed (Student-Teacher Evaluation as Prescribed by HEC)	993 Faculty Assessed Online
Number of Programs with National or International Accreditations	77 Programs are Accredited

3.2.3 HEC Student Feedback Forms:

QEC-DUHS conducts the following surveys for feedback evaluation in all the degree-awarding programs of DUHS:

Faculty Survey	Alumni Survey
Employer Survey	Faculty Resume
Faculty Course Review Report	Teacher Evaluation Form
Research Student Progress Review Form	Survey of Graduating Students
Survey of Department Offering Ph.D. Programs	Student Course Evaluation Questionnaire

3.3 QUALITY INITIATIVES FY 2024 – 2025

The quality initiatives for the Year 2024-2025 are the following:

1. **Program Accreditation & NOCs**
   All academic programs accredited; NOC applications submitted to HEC for MPhil Medical Technology, MS Management Sciences, PhD Pharmaceutical Chemistry, and PhD Physical Therapy.

2. **QEC in Affiliated Colleges**
   QEC setups established in all affiliated colleges with dedicated staff to implement internal quality assurance mechanisms under DUHS's umbrella.

3. **Reorganization of QEC-Affiliated Colleges**

   QEC revamped to include a dedicated department for affiliated colleges as per HEC's revised Terms of Reference, strengthening quality culture across institutions.

4. **Oversight of 40+ affiliated Colleges**
   The QEC affiliated colleges department oversees 40+ institutions, aligning their policies with DUHS and HEC requirements.

5. **Surveys & Feedback**
   HEC online surveys made mandatory; results analyzed, shared with management/faculty, and consolidated reports submitted annually.

6. **Annual Reporting**
   Affiliated colleges submit Yearly Performance Review, Higher Education Statistics, HEC Monitoring Template, and PREE (previous SAR) reports through QEC.

7. **Implementation of New HEC Criteria and Policy:**
   Pakistan Precepts, Standards and Guidelines for Quality Assurance in Higher Education (PSG-2023) - Ver. 1.0 PSG-2023. The QA documents and guidelines have been developed in consultation with QAA-UK and a broad range of higher education stakeholders in Pakistan and are approved and endorsed by the HEC during its 45th Commission Meeting. PSG-2023 contains Quality Assurance Principles, Standards & Expectations for Higher Education Sector, Pakistan

3.4 MEMBERSHIP OF QUALITY ASSOCIATIONS/NETWORKS

S. #	Memberships in Quality Associations/Networks
1.	Accreditation Agency Curacao – AAC
2.	Member of Talloires Network since 2009.
3.	Prospective member of Asia Pacific Quality Network (APQN).
4.	Member of the Learning Innovation Division, HEC Pakistan since 2005.
5.	International Network for Quality Assurance Agencies in Higher Education

6.	Pakistan Network of Quality Assurance in Higher Education-INQAAHE
7.	American Association of Medical Colleges, Visiting Students Learning Opportunities (VSLO)
8.	Corporate and Associate Member of Association of National and International Universities
9.	Research and Educational centers, such as PIQC, Institute of Quality, Pakistan

3.5 ACCREDITATIONS OF DEGREE AWARDING PROGRAMS FROM ACCREDITATION COUNCILS

1.	MBBS program at Dow Medical College (DMC) - Accredited by Pakistan Medical and Dental Council (PMDC)
2.	MBBS program at Dow International Medical College (DIMC) - Accredited Pakistan Medical and Dental Council (PMDC)
3.	Bachelor of Dental Surgery (BDS) program at Dr. Ishrat ul Ebad Khan Institute of Oral Health Sciences (DIKIOHS) – Accredited by Pakistan Medical and Dental Council (PMDC)
4.	Bachelor of Dental Surgery (BDS) program at Dow International Dental College (DIDC) – Accredited by Pakistan Medical and Dental Council (PMDC)
5.	Bachelor of Dental Surgery (BDS) program at Dow Dental College (DDC) – Accredited by Pakistan Medical and Dental Council (PMDC)
6.	Pharm D program at Dow College of Pharmacy (DCOP) - Accredited by the Pakistan Pharmacy Council (PPC).
7.	Post RN Nursing program at Institute of Nursing (ION) - Accredited by Pakistan Nursing Council (PNC).
8.	BS Generic Nursing program - Accredited by Pakistan Nursing Council (PNC).
9.	Post RN BSM, Midwifery program at the Institute of Nursing and Midwifery- Accredited by Pakistan Nursing Council (PNC)
10.	Master of Nursing (MSN) program- Accredited by Pakistan Nursing Council (PNC).
11.	MPhil (Pharmaceutical Sciences) at Dow College of Pharmacy (DCOP) - Accredited by the Pakistan Pharmacy Council (PPC).
12.	MPhil (Basic Medical Sciences) at School of Postgraduate Studies- Accredited by Pakistan Medical and Dental Council (PMDC)
13.	Master of Dental Surgery (MDS) program at Dr. Ishrat ul Ebad Khan Institute of Oral Health Sciences (DIKIOHS) - Accredited by Pakistan Medical and Dental Council (PMDC)
14.	Master of Public Health (MPH) at School of Public Health- Accredited by Pakistan Medical and Dental Council (PMDC)
15.	MS in Epidemiology and Biostatistics (MSBE) at School of Public Health- Accredited by Pakistan Medical and Dental Council (PMDC)
16.	Master in Health Professional Education (MHPE) at Dow Institute of Health Professionals Education- Accredited by Pakistan Medical and Dental Council (PMDC)
17.	Master of Surgery (MS) at Department of Postgraduate Studies- Accredited by Pakistan Medical and Dental Council (PMDC)
18.	Doctor of Medicine (MD) program at Department of Postgraduate Studies- Accredited by Pakistan Medical and Dental Council (PMDC)
19.	BBA & MBA Programs are in the process of accreditation from the National Business Education Accreditation Council (NBEAC).

20. BS Medical Technology (Clinical Laboratory Sciences) at Dow Institute of Medical Technology - Accredited by Allied Health Professional Council (AHPC)
21. BS Surgical Technology at Dow Institute of Medical Technology - Accredited by Allied Health Professional Council (AHPC)
22. BS Cardiac care / Perfusion Technology at Dow Institute of Medical Technology - Accredited by Allied Health Professional Council (AHPC)
23. BS Respiratory Therapy at Dow Institute of Medical Technology - Accredited by Allied Health Professional Council (AHPC)
24. BS Clinical Ophthalmic Technology at Dow Institute of Medical Technology - Accredited by Allied Health Professional Council (AHPC)
25. BS Physiotherapy / Orthotics & Prosthetics at Dow Institute of Physical Medicine & Rehabilitation - Accredited by Allied Health Professional Council (AHPC)
26. BS Nutrition Sciences at School of Public Health - Accredited by Allied Health Professional Council (AHPC)
27. BS Psychology & Counseling at Dr. A.Q. Khan Institute of Behavioral Sciences - Accredited by Allied Health Professional Council (AHPC)
28. BS Dental Technology at School of Dental Care Professionals (SDCP) - Accredited by Allied Health Professional Council (AHPC)

3.6 SEMINARS/WORKSHOPS & TRAINING EVENTS by QEC

3.6.1 NATIONAL FACULTY DEVELOPMENT PROGRAM BY NAHE-HEC (Nov. 2024)

On November 18, 2024, DUHS launched 4 weeks fully funded NAHE-DUHS National Outreach Program for Higher Education Faculty at the SMART Classroom, DMC. Led by NAHE Director, Mr. Suleiman Ahmad, and inaugurated by Vice Chancellor Prof. Mohammed Saeed Quraishy T.I, the four-week program, held in collaboration with HEC's National Academy of Higher Education (NAHE), engaged 32 junior faculty members from 26 departments. Covering 10 modules, it emphasized innovative teaching, digital integration, communication skills, and curriculum design. Prof. Quraishy underscored its role in preparing educators for modern challenges, while Mr. Ahmad praised DUHS for pioneering the initiative in Sindh.

Prof. Mohammed Saeed Quraishy T.I highlighted the program's dynamic focus on equipping educators with the skills needed to navigate the digital landscape and design engaging learning environments. Mr. Suleiman Ahmad congratulated DUHS for being the first institution in Sindh to offer this initiative. Key modules included,



"Teaching as a Profession in Higher Education," facilitated by Prof. Dr. Zulfqiar Memon. The program aligns with SDG Goal 4 (Quality Education). Ms. Sanam Soomro, who authored the program proposal, served as the official training coordinator.

3.6.2 Capacity-Building Workshop to Enhance Institutional Quality and Teaching Practices

On February 6, 2025, the Quality Enhancement Cell (QEC) of DUHS organized a Capacity-Building Workshop to enhance institutional quality and teaching practices, attended by 75+ QEC managers and faculty from affiliated colleges. The event reinforced DUHS's commitment to academic excellence through two key sessions. The workshop emphasized modern pedagogy, institutional transparency, and quality assurance for sustainable improvement in higher education.

Session 1, *Teaching as a Profession in Higher Education*, led by Dr. Syed Ahsan Ali, focused on interactive teaching methods, digital tools, active learning, and outcome-based education, aligning with SDG 4: Quality Education.

Session 2, *Institutionalizing Quality Culture & the RIPE Framework*, conducted by Mr. Muhammad Shahid, highlighted PSG-2023, quality circles, and student participation in RIPE to strengthen governance and accountability. This session aligned with SDG 16: Peace, Justice, and Strong Institutions.

3.6.3 Session on PSG-2023: Institutionalizing Quality Culture, "Ensuring Quality in Affiliated Institutions and Understanding the RIPE Framework" conducted by QEC-DUHS.

On February 6, 2025, the Quality Enhancement Cell (QEC) at DUHS held a session titled *"Institutionalizing Quality Culture: Ensuring Quality in Affiliated Institutions and Understanding the RIPE Framework."* The session aimed to familiarize participants with Pakistan Standards and Guidelines (PSG-2023) and the RIPE Framework to strengthen quality assurance in affiliated institutions. Key discussions included curriculum review, program operations, research integration, and internal and external quality assessments. The session was facilitated by Ms. Sanam Soomro, Director QEC, and conducted by Mr. Muhammad Shahid, Assistant Professor and Principal, School of Nursing, KGH.





3.6.4 Internal Quality Assurance Framework at Salim Habib University

On May 29, 2025, Salim Habib University, in collaboration with the Sindh HEC, hosted a training session on the *Internal Quality Assurance (IQA) Framework*. QEC teams from various universities participated to enhance their understanding of HEC standards in quality policy development, program review, faculty evaluation, student assessment, and evidence-based reporting. Experts emphasized building a culture of continuous improvement aligned with national and international standards. The session included group activities on self-assessment reports, program reviews, and Institutional Performance Evaluation. DUHS QEC Director and Manager also attended, reflecting commitment to strengthening academic quality and accountability across institutions.

3.6.5 Replicating Faculty Development Program (FDP) at DUHS

From May 5–19, 2025, Dow University of Health Sciences (DUHS) organized a Faculty Development Program (FDP) at the Smart Classroom, DMC Campus. Replicating the HEC-NAHE model, the program was led by DUHS faculty trained and certified by NAHE,



fostering peer-led learning and institutional growth. Thirty-five young faculty members, shortlisted from diverse departments and affiliated colleges, participated. Focused on innovative teaching methods, leadership, and quality enhancement, the FDP reflects DUHS's commitment to inclusive professional development and aligns with national and global academic standards.

3.6.6. Training on Assurance of Learning" at ICCBS Karachi

The QEC Manager attended a training on Assurance of Learning at ICCBS Karachi (23 May 2025). The session emphasized CLO–PLO alignment, curriculum mapping, rubrics, and feedback loops, highlighting faculty's role in evidence-based assessments. It reinforced continuous improvement in line with HEC guidelines and international standards for outcome-based education.

3.6.7. National Seminar on RIPE (Review of Institutional Performance and Enhancement) organized by QEC, Jinnah Sindh Medical University

On May 2025, the QEC Manager attended a National Seminar on RIPE at JSMU. The seminar focused on institutional self-assessment, performance evaluation, and strategic enhancement. Experts shared insights on applying HEC's IPE framework and fostering continuous quality improvement in academic and administrative domains.

3.6.8. Workshop of 5th International Conference of PNQAHE & Annual General meeting (AGM):"Stakeholder Engagement in Quality Assurance- Shaping Higher Education with Inputs from all Relevant Voice at Lahore.

The Deputy Director QEC attended the 5th International Conference of PNQAHE and AGM, held in Lahore from 14th–16th April 2025, themed *"Stakeholder Engagement in Quality Assurance – Shaping Higher Education with Inputs from All Relevant Voices."* The event gathered QA experts worldwide to highlight the role of students, faculty, employers, and regulators in improving education. Discussions emphasized participatory decision-making, effective communication, and building transparent, equitable, and internationally aligned quality systems to strengthen higher education governance.

3.6.9. Workshop on MS Office & Essential AI Tools – 7th to 10th March 2025.

MS Office & Essential AI Tools held by the Dow Skills Development Center from March 7th to 10th, 2025. The training included hands-on practice with MS Office programs like Word, Excel, and PowerPoint, as well as an overview of important AI tools that can help with administrative tasks.

Assistant Admin Officers & Institutional Effectiveness Coordinator took part in a 3-day workshop. The purpose of the workshop was to improve digital skills and encourage the use of AI in improving institutional effectiveness.

There was also a section that looked at different GPT models available in ChatGPT, showing how they can be used for creating content, managing data, writing academic papers, and automating tasks.

3.6.10. Seminar on "Introduction to the Use of Artificial Intelligence (AI) Tools in Research and Writing" – 28th December 2024, DUHS.

Introduction to the Use of AI Tools in Research and Writing on 28th December 2024. The event was organized by Dow University of Health Sciences (DUHS) and the Karachi Chapter of Pakistan Health Parliament and took place at the Ojha Institute of Chest Diseases. The session covered the practical use of AI in healthcare research, academic writing, and publishing processes. It highlighted how AI can improve efficiency, accuracy, and innovation in these areas, contributing to Sustainable Development Goals (SDGs) such as quality education and research. The seminar was attended by Data analysts and Quality Assurance Coordinator.

3.6.11. Workshop on PREE (Program Review for Effectiveness and Enhancement) organized by QEC, Jinnah Sindh Medical University.

The Deputy Director QEC participated in a workshop on Program Review for Effectiveness and Enhancement (PREE) held by the Quality Enhancement Cell at Jinnah Sindh Medical University (JSMU) on 18th March 2025. The event aimed to improve internal review processes to ensure that academic programs stay relevant, effective, and in line with the university's objectives. The session covered important topics such as methods for assessing program outcomes, incorporating feedback from stakeholders, and creating well-supported self-review reports to drive ongoing quality improvements.

3.6.12. Workshop on Sample Size Estimation

The Sample Size Estimation Workshop took place on-site on 26th July 2025 at the Smart Classroom, located in the Library Building, DMC Campus, and was organized by Dow University of Health Sciences. It was attended by data analysts of QEC. The session included practical training on how to calculate suitable sample sizes for different types of studies using statistical formulas and software.

3.6.13. Workshop on Sustainability and Climate Action Conference

A senior staff from our team attended the Sustainability and Climate Action Conference on Thursday, 10th July 2025, held onsite at the Auditorium (Basement) of Sohail University, Korangi Campus. The conference was organized by the Sindh Higher Education Commission (SHEC) along with the Karachi Center for Climate Change (KCCC). It focused on the importance of incorporating sustainability practices and climate-friendly policies in higher education.

The discussions covered topics like reducing the impact of climate change, the role of educational institutions in achieving SDG 13 (Climate Action), and promoting environmental responsibility through academic leadership. No certificate or certification was provided for this event.

3.6.14. Seminar on Provision of Higher Education Statistics Orientation

The seminar was organized by the Higher Education Commission (HEC) in Pakistan on 7th July 2025. The main topic was how to correctly and on time submit data from institutions using the HES proformas. Data Analyst took part in an online orientation session about providing higher education statistics for the years 2023–24 and 2024–25.

The session explained the steps for entering data, checking it for accuracy, and the importance of good statistics in making decisions based on facts. No certificate was given for attending this seminar.

3.6.15. Times Higher Education (THE) Impact Rankings World Reputation Rankings & 2025 Masterclass.

DUHS representatives attended THE Impact Rankings and Reputation Masterclasses (July 2025), gaining insights into SDG-based methodologies, sustainability indicators, and global reputation strategies. Sessions emphasized data alignment, academic branding, and stakeholder engagement to enhance international visibility, collaborations, and ranking performance.

3.6.16. Focusing on International Rankings for SDGs by Sindh Higher Education Commission (Sindh HEC).

On 30th Sept 2024, DUHS QEC attended a Sindh HEC-SHU seminar on SDG-based THE Rankings. The session guided universities on registration, metrics, and data alignment, while highlighting research, sustainability, and community engagement. It promoted collaboration among public and private HEIs to enhance global visibility.

3.6.17. Higher Education Institutions (HEIs) Policies and Curriculum Review Committee at Sindh Higher Education Commission, Karachi.

On 3rd March 2025, the Director QEC joined Sindh HEC's curriculum review meeting. Discussions addressed policy reforms, industry-academia linkages, modernization, and employability skills integration. The forum promoted consensus on higher education challenges while aligning Sindh institutions with national frameworks and global standards.

3.6.18. Pre-Conference workshop as a Guest Speaker "Enhancing Health Care Quality: Innovations and Best Practices"

On 14th Sept 2024, the Manager QEC was a guest speaker at PNQAHE's pre-conference workshop on healthcare quality. The session explored innovations, global best practices, and outcome-based assessments in medical education and hospitals, fostering academia-healthcare collaboration for advancing quality standards in Pakistan's health sector.

3.6.19. Prof. Dr. Chantha Jayawardena University of Peradeniya, Sri Lanka, visited DUHS under the Pak-Sri Lanka Faculty Exchange Program

As part of the Pak-Sri Lanka Faculty Exchange Program of the Higher Education Commission Pakistan, Prof. Dr. Chantha Jayawardena, a distinguished faculty member from the University of Peradeniya, Sri Lanka, visited the DUHS and all of its four dental academic units from May 19th till May 29th, 2025. During her visit, Prof. Jayawardena engaged extensively with the faculty members, staff, and students of the Dental programs, including BDS and postgraduate dental students, Dental Hygiene and Dental Technology students, fostering discussions aimed at enhancing academic excellence, professional training, and interdisciplinary collaboration in dental education. In alignment with the strategic vision of Dow University of Health Sciences and its constituent dental institutions for advancing dental education, DUHS has implemented faculty exchange programs, facilitated by the HEC, Pakistan that aim to improve the quality of education and mutual cooperation in areas of research, academics and future initiatives include incorporating digital technologies and lifelong learning into dental healthcare education.









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CHAPTER 4

FACULTY DEVELOPMENT

4 PROFESSIONAL DEVELOPMENT CENTER (PDC) DUHS

The Professional Development Center (PDC) at Dow University of Health Sciences (DUHS), established in 2004, evolved from the Office of Continuing Medical Education (CME). Initially focused on lectures and conferences, it expanded after the 2005 earthquake to include hands-on workshops, officially inaugurated as PDC. Divided into Surgical & Allied and Medical & Allied divisions, it conducts training needs assessments and specialized programs. With simulated ICUs, operation theaters, laparoscopic suites, and modern simulators, PDC trains undergraduates, postgraduates, faculty, and health professionals. Located at DMC and DIMC Ojha, it delivers CME, CPD, skills training, and collaborative international programs.

The Professional Development Center has a simulated ICU, simulated Operation Theater, Laparoscopic / Endoscopic Suites, three training halls and a Conference Room. Equipped with the latest audio-visual and multimedia systems, state of art equipment, electronic simulators and manikins, the PDC is a site for all those healthcare professionals looking to enhance their skills with hands-on training.

4.1 PDC Programs

- **CME: Seminars, lectures, symposia, and conferences.**
- **CPD: Short and long-duration training and workshops.**
- **Undergraduate Skills Lab: Hands-on training for students.**
- **Miscellaneous Programs: Alumni, reproductive health, and visiting faculty activities.**

4.2 PDC PROFESSIONAL DEVELOPMENT PROGRAMS

Healthcare Professional & Other Faculty Trained by Professional Development Center at DMC & Ojha Campuses.

Workshops/ Trainings/ Professional Skills Development at DMC Campus:

During 2024–2025, a total of 251 CME/CPD activities were organized by DUHS, CHK, DMC, IIHHN, BOSCH MEDICUS, CLF, SIAG, and partners, engaging over 11,496 healthcare professionals nationwide.

Covering Pediatrics, Neurology, Dermatology, Emergency Medicine, Obstetrics & Gynecology, Orthopedics, and emerging fields like AI and POCUS, these programs reflected Pakistan's commitment to advancing medical education. Major highlights included the 27th PIMA Central Convention with 1,261 participants, the National Health Research Conference, and specialized workshops such as AO Davos Trauma and Temporal Bone Dissection. Collectively, these initiatives strengthened clinical expertise, collaboration, and national public health outcomes.

The CME/CPD programs emphasized key clinical specialties including Pediatrics (33 events), Neurology, Dermatology, Emergency Medicine, Obstetrics & Gynecology, and Orthopedics. Emerging topics like artificial intelligence in healthcare, point-of-care ultrasound (POCUS), and public health priorities such as polio eradication and diabetes management were also prominently featured.

CME/CPD Activities Summarized 2024–2025:

- **251 CME/CPD events conducted with 11,496 participants.**
- **Topics included pediatrics, neurology, dermatology, gynecology, orthopedics, AI in healthcare, POCUS, and public health issues (e.g., polio, diabetes).**
- **Major events: 27th PIMA Central Convention (1,261 participants), APPNA Winter Meeting, National Health Research Conference.**
- **Specialized workshops: AO Davos Trauma Module, Temporal Bone Dissection.**

Workshops/ Trainings/ Professional Skills Development at the Ojha Campus:

- **39 workshops with 4,509 participants.**
- **Frequent sessions: BLS (41 workshops, 286 trained) and ACLS (4 workshops, 22 trained).**
- **High-impact sessions: Mastering ECG (137 participants), Neurological Workshop (133), CAD CAM-S Dental (144).**
- **Women's Health sessions on breast cancer, labor care, urology, and hyperglycemia in pregnancy (230+ participants).**
- **Specialized training: AI in research, endocrinology, medical ethics, genetics counseling, and dermatology workshops (300+ participants).**
- **NIDE-led diabetes/endocrinology programs and mock exams in various specialties.**

Summary: The PDC at DUHS continues to play a critical role in medical education and training. Through state-of-the-art facilities and diverse CME/CPD programs, it has enhanced clinical competence, supported research, and aligned healthcare education with global standards.

4.3 FACULTY DEVELOPMENT PROGRAM

Faculty development at DUHS focuses on continuous training, skill enhancement, and professional growth to foster academic excellence and align with the University's mission.



4.3.1 EMPOWERING MEDICAL TEACHERS AS MENTORS AT DOW INSTITUTE OF HEALTH PROFESSIONALS EDUCATION (DIHPE)

Dow Institute of Health Professionals Education (DIHPE) launched a Faculty Development program funded by USEFP, IIE, and US Dept. of State. The inaugural session on 6th Jan 2024 focused on empowering medical teachers through practices and recommendations.





4.3.2 NATIONAL FACULTY DEVELOPMENT PROGRAM BY NAHE-HEC

DUHS, in collaboration with NAHE-HEC, conducted a four-week Faculty Development Program (Nov–Dec 2024) for 32 junior faculty across 26 departments, with 10 modules on technology, teaching, and communication. Coordinated by Ms. Sanam Soomro, it was funded with PKR 3.5M from NAHE-HEC and aligned with SDG-4.



4.3.3. CERTIFIED HEALTH PROFESSIONALS EDUCATION (CHPE)



DDUHS offers a six-month CHPE program to enhance instructional and research competencies using case-based pedagogy.

School of Public Health:

4.3.4. ANH Academy Training of Trainers (ToT) – Nadia Shah

Nadia Shah successfully completed the ANH Academy Agriculture, Nutrition, and Health Curriculum Enrichment ToT Programme. This specialized training enhanced her capacity in curriculum design and teaching methods, fostering intersectoral linkages in public health nutrition. Following completion, she was appointed as an ANH Academy Regional Trainer, enabling her to train faculty and students across the region, thereby expanding DUHS's capacity to deliver evidence-informed, high-quality education aligned with global ANH priorities.





4.3.5. HEC-NAHE Faculty Development Training – School of Public Health

Faculty members Tahreem Hussain, Mehreen Zaidi, Dr. Hira, and Dr. Sumaira Nasim participated in the HEC-NAHE National Outreach Program (Nov–Dec 2024) and a Faculty Development ToT (May 2025). These initiatives, organized by Sindh HEC in collaboration with DUHS, strengthened their skills in teaching methodologies, curriculum development, and academic leadership. Post-training, Tahreem Hussain and Dr. Hira conducted cascading sessions at DUHS, sharing knowledge with peers to enhance teaching quality and cultivate a culture of continuous academic improvement.

Institute of Business and Health Management (IBHM):

IBHM faculty engaged in professional development, including a Gamification in Education workshop by Sindh HEC and participation in the Entrepreneurial Educators Summit at IoBM, strengthening innovative pedagogy and academic networking.

The School of Dental Care Professionals (SDCP):

SDCP organized a CME workshop on OSPE/OSCE Essentials (Oct 2024), led by senior faculty, to improve skill-based and clinical assessments in oral health education.



Dow Dental College (DDC):

Faculty actively engaged in faculty development (2024–2025) through seminars, workshops, and online certifications. Highlights include Dr. Rida Fatima's lesson-planning and assessment workshops, Dr. Mona's interdisciplinary training and digital certifications, and Dr. Azeem H. Soomro's advanced dentistry workshops. Collectively, these efforts strengthened academic and clinical excellence.

Dow Institute of Radiology:

Faculty completed diverse training in bioethics, AI in research, clinical skills, and academic leadership. Notable contributions include conference presentations, examiner roles, and course leadership. BLS/ACLS certifications were widely achieved, reinforcing clinical preparedness and academic engagement.

Dow Institute of Physical Medicine & Rehabilitation

On July 26, 2024, DIPM&R faculty participated in a DUHS-led training to develop master mentors, enhancing mentorship skills in academic and clinical domains.

4.4 RETURNED SCHOLARS (Ph.D.)

1. Dr. Sadaf Manzoor	2. Dr Masood ul Hasan	3. Dr Hareem Sultan
4. Dr Muhammad Sarfraz	5. Dr Sameer Uddin Shaikh	6. Dr. Tanseer Ahmed
7. Tooba Noor	8. Farzana Parveen	9. Kashif Ali
10. Syed Muhammad Adnan	11. Qutab Uddin	12. Sadia Iqbal
13. Faiza Dildar Ghuman	14. Syed Saoud Zaidi	15. Rizwana Salik
16. Sahar Mubeen	17. Uzair Abbas Khuwaja	18. Muhammad Noman
19. Hina Saleem	20. Wajiha Saghir	21. Ubaid Irfan
22. Tehseen Fatima	23. Jawad Safdar	24. Salman Ahmed Khan

4.5 PRESENT SCHOLARS PURSUING HIGHER EDUCATION

S #	Name	Degree	Specialty
1.	Ms. Wajiha Saghir	PhD	Marketing
2.	Mr. Muhammad Rizwan	PhD	Finance
3.	Mr. Sardar Nawaz	PhD	Marketing
4.	Ms. Yasmeen Khan	PhD	Marketing
5.	Syeda Rubaba Azim	PhD	DIHPE
6.	Dr Faisal Yamin (PT)	PhD-Physical therapy	Physical Therapy
7.	Ms. Ayesha Younus	PhD- Special Education	Special Education
8.	Ms.Sumreen Zahid	M.Phil. in Special Education	Special Education
9.	Dr. Saif ur Rehman (PT)	MSAPT	Advanced Physical Therapy
10.	Dr. Humaira Kanwal (PT)	MPhil in Rehabilitation Sciences.	Physical Therapy
11.	Dr. Areesha Anwar (PT)	MSAPT	Advanced Physical Therapy
12.	Aisha Hanif	MPhil Clinical Psychology	Psychology
13.	Prof Dr Amynah Charania	PhD	Oral Biology
14.	Dr Tehniat Faraz	PhD	Biochemistry
15.	Dr Hareem Sultan	F.Orth RCED	Orthodontics
16.	Qutab Uddin	PhD	Molecular Medicine
17.	Zairah Muqaddas	PhD	Public Health
18.	Sidra Zaheer	PhD	Bioscience
19.	Kiran	M.Phil.	Medical Technology
20.	Quratulain	PhD	Physiology
21.	Kamila Mariam Iftikhar	PhD	Business Management
22.	Sabahat Aziz	PhD	Microbiology
23.	Dr. Anosh	PhD	Pharmacology
24.	Zeb Hussain	PhD	Microbiology
25.	Sana Ahmed	PhD	Microbiology
26.	Muhammad Asif	PhD	Microbiology
27.	Ambreen Iqbal	PhD	Microbiology

28.	Dr Binish Rasheed	MHPE	Medical Education
29.	Dr Ambreen Sair	MHPE	Medical Education
30.	Dr Saira Yasmeen	MHPE	Medical Education
31.	Ms. Komal Hayat	PhD	Psychology
32.	Dr. Kashif Ali	PhD	Translational Medicine
33.	Dr. Ale Zehra	PhD	Pharmacy Practice
34.	Dr. Hina Saleem	PhD	Pharmaceutics
35.	Dr. Shumaila Shafique	PhD	Pharmaceutics
36.	Dr. Syed Ahsan Ali	PhD	Pharmaceutics
37.	Dr. Saba Inayat Ali	PhD	Pharmaceutics
38.	Dr. Auwais Ahmed Khan	PhD	Pharmacology
39.	Dr. Madiha Khan	M. Phil	Pharmacognosy
40.	Faisal Muhammad Khan	PhD	Pharmaceutical Chemistry
41.	Tahir Rizwan Khan	PhD	Public Health
42.	Nadia Shah	PhD	Applied Economics
43.	Nida Jawed	PhD	Home economics (Food and Nutrition)
44.	Tahreem Hussain	PhD	Home economics (Food and Nutrition)
45.	Tooba Zaidi	PhD	Home economics (Food and Nutrition)
46.	Mehreen Amer	PhD	Human Nutrition and Dietetics
47.	Sukaina Shabbir	PhD	Human Nutrition and Dietetics

DOW UNIVERSITY OF HEALTH SCIENCES

DUHS

ANNUAL STANDARDIZED REPORT

2024-25

CHAPTER 5

ACCESS

5.1. BASIC ENROLLMENT

Total Student enrollment during FY 2024-2025 is 7,893 for undergraduate, postgraduate and diploma programs offered.

5.2. EQUITY & ACCESS

At DUHS, admission is granted on a transparent open merit basis, promoting equality and fairness for all applicants, irrespective of gender, sex, race, or ethnic background.

5.3. GENDER-WISE DETAIL of DUHS ENROLLMENT 2024-2025

Institute Name	Programs	Male	Female	Total
Dow Medical College	MBBS	579	1201	1780
Dow Dental College	BDS	34	165	199
Dow International Medical College	MBBS	303	442	745
Dow International Dental College	BDS	40	172	212
Dr. Ishrat-ul-Ebad Khan Institute of Oral Health Sciences	BDS	68	339	407
	MDS	34	44	78
	MSc. DS	1	5	6
Dow College of Pharmacy	Pharm-D	126	655	781
	MPhil Pharmaceutical Sciences	4	23	27
	PhD Pharmacology	1	4	5
Dow Institute of Nursing & Midwifery	BS Nursing	250	249	499
	Post RN BS Nursing	5	9	14
	MS Nursing	25	9	34
School of Dental Care Professionals	BS Dental Care Professional	30	99	129
School of Public Health	BS Nutrition	4	66	70
	BS Nutrition & Food Sciences	0	70	70
	BS Public Health	8	65	73
	Master of Public Health	8	49	57
	MS Biostatistics & Epidemiology	5	31	36
Institute of Business & Health Management	BBA	71	148	219
	BBA 2 Years	5	4	9
	BS Accounting & Finance	15	14	29

	MBA	35	58	93
	EMBA	36	52	88
Dow Institute of Physical Medicine & Rehabilitation	DPT	61	465	526
	MS Advanced Physiotherapy	3	26	29
Dow Institute of Medical Technology	BS Medical Technology	73	481	554
Department of Ophthalmology and Visual Sciences	BS Optometry	10	111	121
Dow Institute of Radiology	BS Radiologic Technology	16	125	141
	Diploma in Radiology	1	2	3
Dow College of Biotechnology	BS Biotechnology	58	348	406
Dr. Abdul Qadeer Khan Institute of Behavioral Sciences	BS Psychology	1	88	89
Dow Institute of Health Professionals Education	Master of Health Professional Education	6	28	34
Department of Forensic Medicine	BS Forensic Sciences	1	10	11
Dow Institute of Cardiology	BS Cardiovascular Technology	5	11	16
Ojha Institute of Chest Diseases	Diploma in Tuberculosis & Chest Diseases	0	1	1
School of Postgraduate Studies	Master of Surgery	12	0	12
	Doctor of Medicine	16	6	22
	MPhil	7	81	88
	PhD	13	34	47
	Diploma	5	26	31
Sindh Institute of Physical Medicine & Rehabilitation	DPT	16	84	100
	MS Advanced Physiotherapy	0	2	2
Total		1991	5902	7893

Dow University of Health Sciences (DUHS) serves as a recognized training site for the Fellowship of the College of Physicians and Surgeons (FCPS II) program, regulated by the College of Physicians and Surgeons Pakistan (CPSP). In the academic year 2024–25, DUHS has 747 trainees enrolled across various specialties, including 587 male and 160 female, reflecting its pivotal role in advancing postgraduate medical education and training in the region.

5.5. EMPLOYABILITY

Employability is a key focus at Dow University of Health Sciences, ensuring that graduates are equipped with the knowledge, skills, and ethical values required to thrive in the global healthcare environment.

At Dow University of Health Sciences, we prepare graduates not only for jobs but for meaningful careers in healthcare and related sectors, enabling them to contribute positively at local, national, and international levels. DUHS graduates are highly respected in the healthcare industry and are serving in leading organizations both in Pakistan and abroad. Their strong academic foundation and professional training empower them to take on diverse roles, reflecting the university's commitment to producing competent, responsible, and socially conscious professionals.

Major sectors employing DUHS graduates include:

- **Leading private hospitals locally, nationally, and internationally.**
- **Public and private sector medical colleges and universities.**
- **Multinational corporations and private limited companies.**
- **National and multinational pharmaceutical companies.**
- **Healthcare-related manufacturing industries.**
- **Entrepreneurial ventures in health and wellness.**
- **Health insurance companies.**
- **Banking and finance institutions**

5.6. FACULTY-STUDENT RATIO

In the year 2024-2025, the faculty-student ratio is calculated as follows:

Faculty-Student Ratio	
Total Number of Faculty	**993**
Total Number of Enrolled Students	**7,893**
Faculty-Student Ratio of the University	**1 : 8**

5.7. PASSOUT STUDENTS

The total number of DUHS graduates for the academic year 2024–2025 was 1244, including 328 male and 916 female students who successfully completed their undergraduate and postgraduate degree programs. In addition, 234 candidates (63 male and 171 female) successfully completed the FCPS-II training program during the same period.

5.8. WOMEN'S ACCESS TO DUHS PROGRAMS

Application, Acceptance and Entry Monitoring | 2024–2025

Dow University of Health Sciences (DUHS) is committed to ensuring equitable access to higher education through transparent, open-merit admissions and the principle of non-discrimination. During the 2024–2025 academic year, the University monitored women's access to its academic programmes through gender-disaggregated data on applications and admissions across 31 academic programmes offered by its constituent colleges, institutes and schools. The data recorded 11,639 female applicants, compared to 4,484 male applicants, indicating that women constituted approximately 72.2% of the total applicants. This reflects substantial female participation and interest in pursuing higher education at DUHS.

Of the total 1,851 students admitted, 1,378 were women, accounting for 74.4% of total admissions. Furthermore, the acceptance rate of female applicants was 11.84%, representing the proportion of women applicants who secured admission (1,378 out of 11,639). Women secured admission in a broad range of disciplines, including MBBS, BDS, Pharm-D, DPT, Nursing, Biotechnology, Medical Technology, Psychology, and other undergraduate and postgraduate programmes. These admissions reflect women's participation across the University's diverse academic offerings.

DOW UNIVERSITY OF HEALTH SCIENCES

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CHAPTER 6

UNIVERSITIES BUILDING ECONOMIES

6.1. UNIVERSITY – INDUSTRY LINKAGES

Dow University of Health Sciences, Karachi is dedicated to building collaborations and linkages with various national and international industries.

6.1.1 Collaborations

1. **MoU with DICE Foundation to promote health innovation and collaboration among academia, industry, government, entrepreneurs, and expatriates' signing between Centre for Education and Training in Clinical Research (CETCR) and Pharm Evo (Pvt) Ltd. on 21 Jul, 2025. The purpose is conductions of various sessions, courses, training in Clinical Research for healthcare professionals and researchers.**

2. **MoU signing between DUHS and St. Jude's Global Alliance USA via CETCR Director in Mar, 2025. The purpose is to share knowledge, technology and organizational skills among member institutions and healthcare professionals.**

3. **MoU signing between Centre for Education and Training in Clinical Research (CETCR) and Pharm Evo (Pvt) Ltd. on 21 Jul, 2025. The purpose is conductions of various sessions, courses, training in Clinical Research for healthcare professionals and researchers.**

4. **MoU signing between DUHS and St. Jude's Global Alliance USA via CETCR Director in Mar, 2025. The purpose is to share knowledge, technology and organizational skills among member institutions and healthcare professionals.**

5. **Dow Comprehensive Cancer Center has signed an MOU with Novartis, enabling access to selected anti-cancer drugs at subsidized rates, directly benefiting patients by improving affordability and outcomes.**

6.2. INITIATIVES

1. Approval of Diploma Program in Diabetes Education

The National Institute of Diabetes and Endocrinology launched a Diploma in Diabetes Education to address the rising burden of diabetes. The program trains healthcare professionals in management, patient education, and lifestyle counseling. This initiative reflects DUHS's commitment to professional development and public health improvement.

2. Dow Institute Of Radiology Introduces New Procedures And Protocols

To expand diagnostic capacity, new equipment was added: Siemens 128 Slice MRI (LEJ & Ojha), two MRI 1.5 Tesla machines (Ojha), seven GE Logic P8 ultrasound machines, and a GE mammography machine. These upgrades enhance patient care and access to advanced radiology services.

3. ‘Nirvan’ Was Initiated By Institute Of Behavioral Sciences (IBS):

TIBS launched ‘Nirvan’, a community service program promoting mental health awareness. The initiative engages students in outreach, social service, and application of psychological knowledge to support vulnerable populations and raise awareness about mental health needs.

4. Dow Community Center Managed by School of Public Health:

The SPH established a Community Center in Landhi Town under the ENRICH Project. It serves as a hub for participatory research and service delivery in nutrition, immunization, and family planning. Using a gender-transformative approach, it empowers communities, promotes shared responsibility, and supports sustainable primary healthcare solutions.
The UNITE Study, launched in 2024 with VC Seed Funding, promotes healthy lifestyles in workplace settings. It integrates nutrition education, exercise, and behavior change strategies to improve staff well-being, job satisfaction, and work performance, serving as a model for institutional wellness programs.

5. E-Dentist Program by SDCP-DUHS

In collaboration with EduCast – Memorandum of Understanding (in process). Initial Framework drafted. The School of Dental Care Professionals initiated the E-Dentist Program in collaboration with EduCast. The framework has been drafted, with MoU in process to expand digital oral health education.

Training Lady Health Workers (SDCP)
In collaboration with the District Malir Health Office and RMNCH Directorate, SDCP trained Lady Health Workers for oral health screening of mothers and children, strengthening community-level preventive health practices.

6. 1st Undergraduate Research Day Organized at DIMC, DUHS

DUHS organized the first Undergraduate Research Day at DIMC on May 15, 2025. With the theme “Empowering Future Clinicians,” the event invited research abstracts in multiple categories. Peer-reviewed submissions, certificates, and awards fostered research culture among undergraduate students.



7. Expansion of Academic Programs and Infrastructure at Dow Institute of Medical Technology

In September 2024, DIMT launched an M.Phil. Program in Medical Technology and developed new research linkages. A new Academic Block for Optometry was also established at NIDE, enhancing facilities for training and clinical activities.

8. Academic Program Expansion at IBHM, DUHS

The Institute of Business & Health Management expanded its portfolio with new diploma programs. Four-degree programs received approval: BS in Healthcare Management & Leadership and MS in Management Sciences (launching Fall 2025), and PhD in Management Sciences and MS in Healthcare Management & Leadership (Spring 2026).

9. Pakistan's First Indigenous Human Anti-Rabies Vaccine April 26, 2025:

Dow University of Health Sciences (DUHS) has successfully developed Pakistan's first lab-scale indigenous human anti-rabies vaccine, using a locally isolated rabies virus strain. The purified, inactivated, lyophilized vaccine was produced under the leadership of Vice Chancellor Prof. Mohammed Saeed Quraishy and Principal Investigator Dr. Talat Roome at the Dow Institute for Advanced Biological and Animal Research (DIABAR).

Funded by the Grand Challenge Fund (HEDP) through the Higher Education Commission (HEC) and supported by the World Bank, the project now moves toward manufacturing clinical trial batches for DRAP approval.



This achievement was made possible through collaboration with national partners, including DESTO's Bio-Resources Center, Sindh Institute of Animal Health, and CBSCR, ICCBS, University of Karachi.

Led the development of DOWRAB, Pakistan's first rabies vaccine, officially launched on March 13, 2024.

10. DUHS Becomes Pakistan's First Licensed Facility for Phase I–IV Clinical Trials:

New building inauguration of Institute of Biological, Biochemical, and Pharmaceutical Sciences (IBBPS), securing:

- **Bioequivalence & Bioavailability License.**
- **Dow Bioequivalence Study Center has conducted internationally recognized clinical trials.**

- **Dow University of Health Sciences -Ojha Campus, Karachi is Licensed for Phase I & II clinical trials and generalized Phase III & IV trials.**
- **Dow University of Health Sciences -Civil Hospital, Karachi – SIAG is Licensed for trial-specific Phase III clinical trials and generalized Phase IV trials.**
- **Sindh Infectious Diseases Hospital & Research Center Karachi is Licensed for generalized Phase III & IV clinical trials.**

11. Established Dow Comprehensive Cancer Center: 18th Sept. 2024

11.1 Medical Oncology



The Medical Oncology Department has expanded into the *Comprehensive Cancer Center*, establishing one of the region's most advanced cancer care facilities. Its centerpiece is a 50-bedded chemotherapy day care unit with private and semi-private infusion rooms. A dedicated oncology pharmacy—equipped with biosafety cabinets and temperature-controlled storage—ensures the safe preparation of chemotherapy, targeted therapy, and immunotherapy. Academic strength is reinforced through journal clubs and multidisciplinary tumor boards, promoting evidence-based, patient-centered care.

11.2 Radiation Oncology



The Radiation Oncology Department has introduced Pakistan's first MR-LINAC system, combining MRI with a linear accelerator for real-time tumor visualization. This technology enables adaptive daily treatment, delivering radiation with exceptional precision, minimizing side effects, and improving treatment outcomes compared to conventional methods.

11.3 Nuclear Medicine & Theranostics

At the Ojha Campus, the Department of Nuclear Medicine and Theranostics is among the nation's leading facilities. It features PET/CT, dual-head SPECT gamma cameras, and a Cyclotron (in progress) for in-house tracer production. A modern Theranostic suite with CCTV and two-way communication ensures safe workflows, while Pakistan's first fully paperless automated system tracks patient history and radiotracer doses with accuracy.

11.4 Multidisciplinary Team @ DCCC

The Center's strength lies in its collaborative approach, uniting neurosurgeons, oncologists, nuclear physicians, pharmacists, physicists, technologists, and paramedics. Pathologists, hematologists, radiologists, and surgeons also work in concert to deliver comprehensive, world-class cancer care and research at DUHS.

The system was implemented under the guidance of Prof. Mohammed Saeed Quraishy, Former Vice Chancellor of DUHS, alongside Dr. Amjad Hussain Shahani, Administrator of Radiosurgery DUHS, and Mr. Leo Fogaca, Team Lead and Clinical Innovation Specialist. Dr. Muhammad Atif Mansha, Consultant Oncologist at the Center, also played a key role. In addition, Dr. Maryum Nouman, Assistant Professor & Head, Department of Medical Oncology, and Prof. Dr. Nosheen Fatima, HOD and Program Director, Nuclear Medicine, provided leadership and expertise. The addition of MR-LINAC highlights DUHS's continued commitment to enhancing healthcare in Pakistan.

12. Inauguration of the Dow University Hospital Pharmacy Warehouse:

Dow University Hospital Pharmacy Warehouse was officially inaugurated on April 25, 2025 by Vice Chancellor Professor Mohammed Saeed Quraishy T.I. and Pro-Vice Chancellor Professor Dr. Jahan Ara Hasan. This state-of-the-art facility represents a significant advancement in pharmaceutical supply chain management, designed to enhance operational efficiency and elevate patient care standards.

This warehouse serves as a centralized hub for the specialized storage and distribution of pharmaceuticals and surgical supplies. It ensures the secure, compliant, and uninterrupted provision of vital materials to all on-campus and outreach pharmacies, as well as clinical and non-clinical units across the institution.

12.1 Key Features & Facilities

- **Climate-Controlled Storage: Cold rooms, freezers, and ambient zones ensure product stability.**
- **Regulatory Compliance: Adheres to Good Storage Practices (GSP) and local drug authority requirements.**
- **Advanced Inventory Management: Automated replenishment via MD365 and HMIS for accurate stock control.**
- **Stringent Security: 24/7 CCTV, restricted access, and theft-prevention protocols.**
- **Quality Assurance: Quarantine areas for inspection of incoming and outgoing products.**
- **Operational Resilience: Disaster preparedness with fire suppression and continuous monitoring.**
- **Specialized Handling Areas: Secured zones for controlled, recalled, and expired goods.**
- **Logistics Optimization: Dedicated receiving area with modern equipment and transport support.**

12.2 Core Services: The system ensures efficient pharmaceutical supply chain management through organized receiving and storage with FEFO inventory control, accurate order fulfillment and distribution to hospital units, specialized cold chain logistics for sensitive products, secure returns and waste management, and data-driven reporting for stock monitoring, demand forecasting, and expiry management.









13. Solar Panel Sustainability:

Between June 2024 and July 2025, Dow University of Health Sciences (DUHS) significantly expanded its solar energy infrastructure across four major campuses, bringing the total to 16 locations generating 2,262.62 megawatts of clean energy. This expansion not only reduces the University's reliance on conventional energy sources but also aligns with its sustainability goals and commitment to renewable energy adoption.



14. The Dow Gamma Knife Radiosurgery Center at Dow University of Health Sciences marked a significant achievement today - over 1700 successful cases:

To commemorate this milestone and World Brain Tumor Day, a cake-cutting ceremony was held at the center. Dr. Muhammad Abid Saleem, Head of the Department, and Dr.



Amjad Shahani, Administrator of Dow University, graced the occasion with their presence.
The Dow Gamma Knife Radiosurgery Center has been a beacon of hope for patients with brain tumors and other neurological conditions. This achievement is a testament to the center's commitment to providing exceptional care and innovative treatment options.

15. Bakhabar Noujawan - AMAN Foundation initiative

On June 16, 2025, DUHS leadership and principals of affiliated colleges met with representatives of the Association for Mothers and Newborns (AMAN) to discuss the implementation of the Bakhabar Naujawan (BKN) course. The program, endorsed by the Ministry of National Health Services and aligned with Supreme Court directives, aims to address challenges of rapid population growth by equipping youth with essential life skills, particularly in reproductive health and family planning. While some DUHS faculty noted that related topics exist within current curricula, AMAN emphasized that practical exposure and structured training remain insufficient in medical and nursing education. BKN is designed as a flexible, self-paced online course accessible to students across disciplines.
The meeting concluded with consensus to nominate faculty focal persons from each DUHS college for an orientation training, followed by integration of BKN for student awareness. AMAN will coordinate training sessions and future follow-ups with DUHS.
The BKN program has already been piloted successfully at SZABIST and is now expanding to DUHS, reinforcing its commitment to community health, youth empowerment, and addressing population health challenges through innovative educational initiatives.

6.3. BUSINESS INCUBATION CENTER:

1. **Vision & Mission: Build industry linkages, foster innovation, and support startups for economic growth.**

2. **Core Values: Service, excellence, innovation, teamwork, integrity, respect.**

3. **Programs: Annual Business Plan Competitions, structured selection of startups, and incubation support.**

4. **Events 2024–25:**

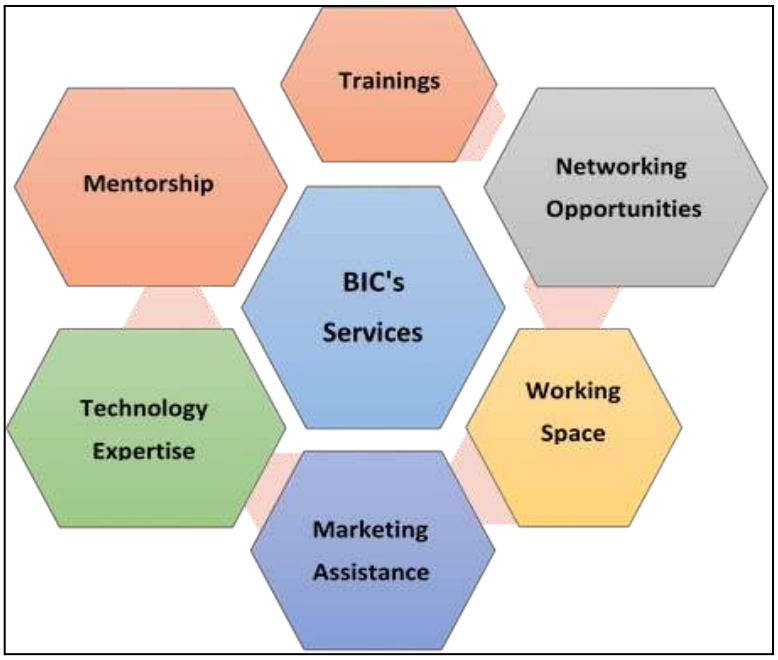
    - **DUHS startups excelled at the Sindh Startups Innovation Exhibition (May 2025), raising Rs. 1.5M.**

    - **Zindigi Prize (June 2025): Over 25 startups competed at DUHS Ojha.**

    - **Workshops: The Big Idea Boot Camp, Go-To-Market Strategy, DUHS-DICE Innovation Exhibition, Hult Prize.**

5. **Mentorship & Coaching: Regular expert mentoring and coaching sessions, including “Junior Mentors” (former startup founders) sharing real-life experiences.**

BUSINESS INCUBATION CENTER, DUHS Services



BIC Programs

Business Plan Competition for the Selection of Startups: BIC-DUHS regularly collaborates with organizations to hold an annual Business Plan competition. Startups undergo a rigorous selection process based on defined criteria to ensure quality incubation of ideas.

BIC EVENTS (2024-2025)

Training and development are the core function of BIC. For this purpose, BIC extends its linkages and invites professional trainers with expertise on the relevant topics. All sessions are conducted in the designated training room of the BIC.



The startups incubated at the Dow University Business Incubation Center shone as they took the top spot at the Sindh Startups Innovation Exhibition, held on May 27th, 2025, at the Federation House, Karachi.

The Honorable Chief Minister of Sindh graced the occasion and appreciated the hard work of the startups. A total of 8 startups were selected from DUHS — the highest among the participating universities. DUHS startups raised funding worth Rs. 1.5 million and stood out at the event. The Winning Team included: Bioraff – Ms. Aliya Shujat, Dow College of Biotechnology & Ecoplast – Dr. Urooj Javed, Dow College of Biotechnology.

The Dow University Business Incubation Centre (DUBIC) is officially opening applications for its 5th Cohort: DUBIC has opened applications for its Fifth Cohort, offering mentorship, resources, and support for early-stage startups to develop impactful ventures and join a growing entrepreneurial community.



Zindigi Prize

Round 1 of the Zindigi Prize – DUHS Ojha (June 4–5, 2025) saw 25+ startups compete for the final campus round. The event featured a distinguished judging panel and was organized by the Zindigi Prize DUHS Ojha team. The event was evaluated by a distinguished judging panel comprising Mr. Musab Khan (DUBIC, DUHS), Mr. Farhan (DSDC, DUHS), and Mr. Navid Alam (CFO, Procon Engineering). The event was skillfully moderated by Syed Sehal Masroor, Campus Director of Zindigi Prize DUHS Ojha, and efficiently organized by the Zindigi Prize DUHS Ojha Directors along with their committed teams.



Workshop on "The Big Idea Boot Camp "The Hult Prize empowers young leaders through a US$1 million global startup competition, offering mentorship, training, and resources to develop innovative solutions to global challenges. Its on Campus Program has engaged over a million students worldwide, fostering social entrepreneurship and sustainable impact.





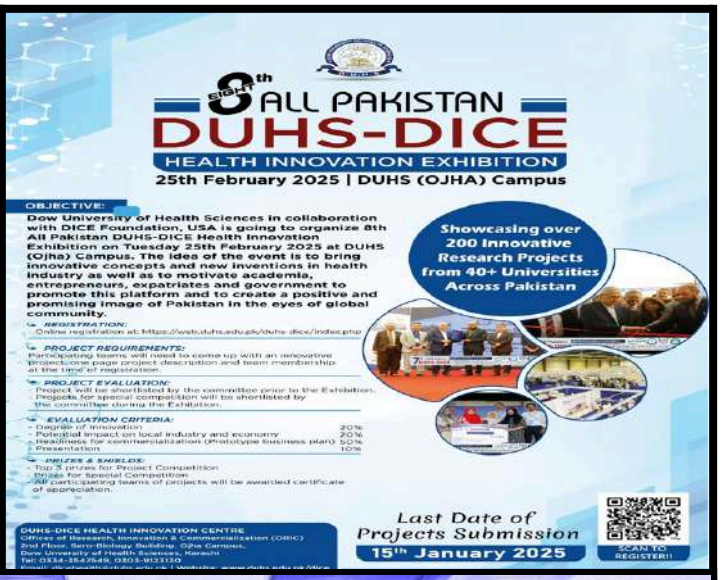
Workshop on “"Go-To-Market Strategy

Key Areas for Training and development including Business Model Development Market Research, Product positioning, build a Brand/Blue Ocean Strategy, Logo & Designing, HR/Team Building, Marketing- The Practical Approach Art of Selling, Startup Finance, Art of Pitching and Fundraising, Business Writing Skills.



DUHS-DICE Health Innovation Exhibition



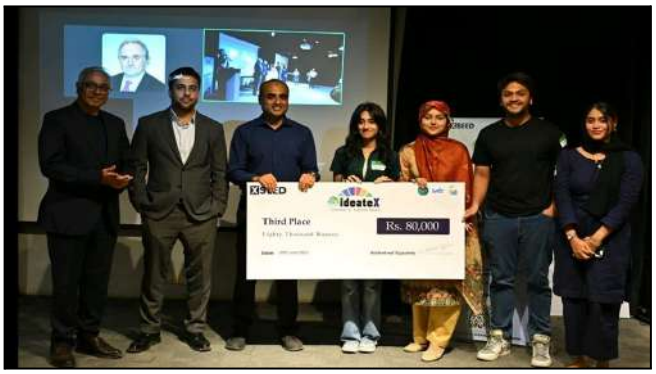




IDEATE-X, XSEED:

6.3.1 HEC Prime Minister's Youth Programme National Innovation Award Startups

In pursuance of the Prime Ministers National Innovation Awards, two of the winners preferred DUHS BIC for the incubation of their startups.





1- **Bio Being**
2- **Boltay Huroof**

6.3.2 Dow University of Health Sciences Startups

1- **Dasterast**
2- **Rebellant**
3- **Bioraff**
4- **Her Tea**
5- **Accusurgicals**
6- **Biosafe**
7- **Drosocan**

The DUHS startups made it to the top 10 winners of the President of Pakistan National Ideas Bank NIB.

6.4. INCUBATED PROJECTS

The committee has thoroughly evaluated and finalized the best startups to be incubated at BIC. The startups have been selected on merit basis after compiling the average score of the evaluators.

S #	Name of Student	Project Title	University/Institute
1	Syed Sehal Masroor	Bioraff	Dow College of Biotechnology
2	Insia Zehra	Walmint-Smile booster	
3	Rafiya Muhammad Sohail	(DSDC) Stitching Learning Factory	Dow Skill Development Centre
4	Dr Athar Khan	Mobile Dental Service	
5	Azka Fatima	Nourishx	Dow College of Biotechnology
6	Dr. Ariba Raza	Dental diagnostic and treatment ai software	School Of Public Health
7	Ms. Sehrish Butt	Filtresha	Dow College of Biotechnology
8	Shehnila Usman	Transforming acne care: evaluation of anti-microbial potential of poly-herbal anti-acne face serum	Dow College of Pharmacy
9	Syeda Aamna Bukhari	FizSip	Dow College of Pharmacy
10	Syeda Hadia Tirmizi	Alzahak - A sublime solution for all sinus problems	Dow College of Biotechnology

6.5. PATENTS/TRADEMARKS

ORIC-DUHS is a notified TISC; therefore, it has been responsive to all the matters related to intellectual property, such as patents, trademarks or company registrations. Dow University of Health Sciences is engaged in the process of trademark registration by the University Legal Consultant.

S.No	Faculty Name	Title of Patent Filed	Design No.	File Date
1.	Dr. Rafat Amin	Ultrasonic waves application in TB detection	-	30th April 2025
2.	Dr. Talat Roome	A Local Rabies Virus Strain and a Method for its Preservation in Murine Brain Tissue	-	2025

Patent Granted:

S.No	Faculty Name	Title	Design No.	Issue Date
1.	Dr. Faiza Nadeem	"Medical instruments, instruments and tool for laboratory use" (24-02)	22571-D	6 Feb 2025

6.6. INTERNSHIPS AND PLACEMENT OFFICE

Internships Overview

DUHS colleges and institutes ensure students secure internships to support learning and professional development. Placements are approved by the Registrar and typically involve CV selection, interviews, or direct application. Placement coordinators provide guidance in sourcing, securing, and supporting students during internships. Internships help students gain practical experience, build professional networks, and enhance employability.

Clinical Electives In the recent years, there is an increasing interest of the final year students of Medicine for electives in different medical schools/hospitals globally. The Quality Enhancement Cell, QEC-DUHS, is also responsible for developing collaboration and linkages with other Universities and colleges around the globe in different areas of interest. DUHS has MOUs with the prestigious foreign Medical Schools and associations for clinical electives

Associations of DUHS for Clinical Electives	
1. University of Illinois	Final year Students-Chicago
2. AAMC	Visiting Students VSLO Learning Opportunities
3. University of Maryland	Third year and Fourth Year students
4. Travelling Fellowship at the Salford Royal NHS Foundation	Postgraduate students
5. Jackson park hospital, Chicago.	Clinical Electives offered at various National & International Hospitals
6. Holyoke Medical Centre, MA	
7. Mayo Clinic, Rochester USA.	
8. Mount Sinai Hospital, New York.	
9. Specialty hospital of Washington.	
10. Harvard Medical School, Boston USA.	
11. North West General Hospital, Peshawar	
12. Robert Wood Johnson University Hospital. New Jersey.	
13. Harrison County Hospital, Corydon, USA.	
14. Winnie Palmer Hospital, Florida USA.	
15. Florida International University, USA	

College/Institute Specific Programs Internships: An Overview

- **Dow Institute of Physical Medicine & Rehabilitation: Offers electives to students from partner universities.**

- **Dow College of Pharmacy: MoU with Central Drug Laboratory (DRAP) enables internships in regulatory sciences; faculty mentors and a dedicated Placement Officer provide ongoing support.**

- **Dow Institute of Medical Technology: Internships at leading hospitals, labs, and international organizations in Karachi and beyond.**

- **IBHM: 97 undergraduate students were successfully placed in reputable national organizations.**
    - **16 undergraduate students secured employment offers from multinational companies.**
    - **A Job Fair was organized exclusively for IBHM students, providing them with networking opportunities and exposure to potential employers.**



- **School of Public Health: Final-semester BS Nutrition students complete 12 credit-hour internships (6 days/week) in hospitals and public health organizations, focusing on SDG-related capacity building.**

- **School of Dental Care Professionals: All graduates undertake paid 12-month internships across clinical and laboratory dental departments, including oro-dental screening at Dow University Hospital.**

Benefits of Internship: A Summary

DUHS offers six-month paid internships for selected graduates, approved by the Registrar. Interns rotate across departments such as Registrar's Office, Finance, HR, OPD, Radiology, IBHM, and DDRRL, following a structured duty roster from May to October. These internships aim to enhance career-related knowledge, provide practical work experience, and expose students to professional environments within the university. By working across multiple departments, students gain insights into organizational functioning, administrative processes, and departmental operations, which help them build practical skills, strengthen their resumes, and prepare for future careers. The internships also foster professional discipline, time management, teamwork, and networking opportunities, bridging the gap between academic learning and real-world applications.

6.7. STUDENT COUNSELING AND CAREER GUIDANCE

Student Counseling and Mentoring Services.

The Dow University of Health Sciences (DUHS) provides comprehensive counseling through the Counseling Cell, inaugurated by the Vice Chancellor at the A.Q. Khan Center for Behavioral Sciences. Professional psychologists offer personal and psychological counseling, while faculty provide academic and career guidance. Batch counselors oversee student progression, electives, and activities. Each 20 students are assigned a mentor, led by a chief mentor, with additional career sessions by industry experts. Faculty and management remain accessible for support. DUHS's structured mentoring and counseling systems promote students' academic growth, career planning, and emotional well-being.

There are two modes of student counseling available within the University:

- **Educational and Career counseling.**
- **Personal or Psychological counseling is being provided by professional psychologists through A. Q Khan Center for Behavioral Sciences.**
- **Academic or career counseling is being provided by faculty members.**
- **Batch counselors are allotted, who look after the whole batch and provide all kinds of counseling regarding student progression, selection of electives and participation in curricular and co-curricular activities.**

DUHS Mentoring System.

Dow College of Pharmacy, along with other DUHS institutes, has developed structured mentoring systems to address student needs. Each group of 20 students are assigned a mentor, led collectively by a chief mentor, ensuring individualized guidance and oversight. These systems support academic progression, personal development, and student engagement. In addition, periodic career counseling sessions are organized, inviting industry experts to provide professional insights and career guidance.

Student Counselling at the Department of Psychiatry



On October 24, 2024, the Department of Psychiatry at Dow Medical College, in collaboration with Dr. Ruth K.M. Pfau Civil Hospital, held a World Mental Health Day seminar at Muin Auditorium, DUHS. The event focused on workplace mental health and suicide prevention, attracting 20 renowned psychiatrists and faculty from multiple departments. Prof. Dr. Iqbal Afridi discussed suicide statistics and prevention strategies, while Prof. Dr. Naim Siddiqui addressed burnout and mental health challenges in healthcare. Student-led skits, including one by "Hamara Mustaqbil," depicted mental health struggles, enhancing awareness and engagement among attendees.



Prof. Dr. Saba Sohail, Principal of Dow University, served as the Chief Guest. Prof. Dr. Iqbal Afridi opened the seminar with an insightful talk on suicide prevention, discussing statistics, causes, and strategies. Prof. Dr. Naim Siddiqui followed with a presentation on mental health challenges in healthcare, addressing burnout and emphasizing the need for mental health resources.

Engaging performances enhanced the program's impact. A skit, created by the student society "Hamara Mustaqbil", depicted mental health struggles in an accessible way, while a pre-recorded skit on workplace mental health offered additional perspectives, resonating deeply with the audience.

- **Student Counselling Events at the Dow International Medical College**



Dow International Medical College provides free counseling and mentoring sessions six days a week from 9:00 am to 3:00 pm, addressing family issues, stress, anxiety, depression, and financial concerns. Counseling includes both individual and group sessions, supporting students' academic, emotional, and career development. Career mentoring, including USMLE guidance, is provided for 4th- and final-year MBBS students during the 2024–2025 academic session. The college prioritizes holistic student well-being, helping them succeed academically, emotionally, and professionally while preparing for future career paths.

- **Student Counselling Events at the Dow Institute of Radiology:**

The Program Director and course coordinator at Dow Institute of Radiology provide personalized career counseling for students who have completed coursework. They offer guidance on career opportunities and encourage participation in seminars, workshops, and lectures. Updates about professional development events are communicated via email, WhatsApp, or notice boards. This structured approach ensures students gain exposure to industry practices, trends, and networking opportunities, supporting informed career decisions and professional growth in radiology and related fields.



- **Student Counselling Events at the Dow College of Pharmacy**

Dow College of Pharmacy organized career awareness and counseling sessions for students, including industrial visits in November 2024 and targeted sessions for graduating students in June 2025. The Department of Pharmacy Practice engaged students with hospital and pharmaceutical industry representatives, providing practical insights into professional challenges and career competencies.

1. **A career awareness session was organized by the Department of Pharmacy Practice, DCOP in November 2024.**
2. **A career counselling session for the graduating batch was organized by the Department of Pharmacy Practice, DCOP in June 2025.**



3. **Multiple sessions have been conducted to facilitate student engagement with representatives from hospitals and the pharmaceutical manufacturing industry, providing them with insights and exposure to the professional challenges and competencies required in their future careers.**

4. **In November 2024, students of the DCOP were provided an opportunity for Industrial trips. During these endeavors, students of the DCOP visited Hoechst Pakistan and Getz Pharma Pakistan. The trips were organized and managed by the institute in coordination with the pharmaceutical manufacturing industries.**



- **Student Counselling Services Available at Dow International Medical College**

At DIMC counseling service is available free of charge from 10:00 am to 2:00 pm, six days a week. The college provides counselling for issues such as family problems, anxiety, depression, financial difficulties, and stress. Additionally, they also conduct group sessions.

DIMC also organized a mental health camp for both students and faculty members. Furthermore, mentoring sessions related to career counselling are conducted for 4th and final-year MBBS students during the academic session 2024 to 2025.





- **School of Public Health**



BS Nutrition students at SPH receive career counseling from the Program Director and coordinators, including guidance on career paths, higher education, and professional opportunities. They are encouraged to join professional societies and attend seminars, workshops, and lectures, gaining practical insights and networking to align their academic journey with future careers in nutrition. They are also encouraged to join professional societies like Pakistan Nutrition & Dietetic Society (PNDS).

A career counseling session was organized for BS Nutrition students at the School of Public Health (SPH), where professionals from various nutrition-related fields were invited to guide and motivate the students regarding future career opportunities. The session aimed to help students understand the practical applications of their degree, potential career paths in clinical nutrition, community nutrition, research, and the food industry, and to clarify their queries about higher education and job market trends. This interactive session provided the students with valuable insights, enabling them to align their academic journey with their career goals in the field of nutrition.



- **Student Counselling and Career Guidance at the Dow Institute of Nursing and Midwifery**

The DIONAM conducted a competency-based training module from September 2024 to October 2024 for 25 Generic BSN graduates who had successfully completed their internship and were currently employed in various government and private sector hospitals. The initiative to prepare nurses for international employment opportunities was carried out under the directives of the Provincial Minister of Health and Population Welfare, Dr. Azra Fazal Pechuho.

Following the completion of the training, the candidates were evaluated through interviews conducted by Dr. Zeina Khouri, an international recruiter with vast experience in hiring and placing nurses abroad. Based on this assessment, 21 candidates were shortlisted for final interviews with hospitals in Saudi Arabia.

These shortlisted candidates are currently undergoing interviews with the respective hospital HR teams and other departments as part of the recruitment process.

- **Collaboration with Australian Consulate for Nursing Employment Opportunities**

Recently, the Australian Consulate expressed interest in hiring nurses from Pakistan, particularly graduates of DION&M. In this regard, a representative from the Ministry of Health, Pakistan, initiated discussions with Prof. Dr. Tanseer Ahmed, Principal of DION&M. Subsequently, two consecutive meetings were held with the Australian Consulate, which also involved nursing leaders from other Pakistani universities as well as the Secretary of the Pakistan Nursing and Midwifery Council (PNMC).

In the upcoming meeting, the Australian Consulate is expected to share the requirements for registration with the Nursing and Midwifery Board of Australia (NMBA).

Alternatively, after receiving detailed information regarding NMBA licensure requirements, DION&M plans to offer preparatory support for the licensure examination. Once these steps are completed, job opportunities for Pakistani nurses in Australia will be formally initiated.

DOW UNIVERSITY OF HEALTH SCIENCES

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CHAPTER 7

STRENGTHENING PHYSICAL INFRASTRUCTURE

Planning & Development

Planning & Development play a vital role in the growth & development of the university and in achieving the strategic objective of delivering quality education and health care services. The main purpose of the Planning & Development Department is to identify feasible projects for the expansion of the university, prepare & submit PC-I and feasibility reports (PC-II) for the development schemes for seeking funding from federal & provincial sponsoring agencies, and further supervise/monitor the status of the schemes till completion.

7.1. DEVELOPMENT PROJECTS (LABORATORIES, LIBRARIES ETC.)

Following development projects are being implemented at Dow University of Health Sciences.

S #	Project Title	Funded by	Status
1.	Establishment of Trauma Centre, BSL -II Lab and Provision of support services at Institute of Chest Diseases Ojha Campus of Dow University of Health Sciences, Karachi	ADP	Ongoing
2.	Sindh Infectious Diseases Hospital & Research Centre at NIPA, Gulshan-e-Iqbal, Karachi	ADP	Ongoing / PCI Submitted for Revision
3.	Establishment of Biosafety Lab (BSL-III) at Sindh Infectious Diseases Hospital & Research Centre at Karachi	ADP	Ongoing
4.	Establishment of Simulation Centre at Shaheed Mohtarma Benazir Bhutto University Larkana, Liaquat University of Medical & Health Sciences Hyderabad, Ghulam Muhammad Mahar Medical College Sukkur & People University of Medical & Health Sciences for Women Shaheed Benazir Abad	ADP	Ongoing

ANNUAL DEVELOPMENT PROGRAM (ADP) SCHEMES:

1. ESTABLISHMENT OF TRAUMA CENTRE, BSL -2 LAB AND PROVISION OF SUPPORT SERVICES AT INSTITUTE CHEST DISEASES OJHA CAMPUS OF DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI.

The On-going project will help to improve the health care services for the seriously injured and trauma patients round the clock, especially at the time of major road / air / sea accidents, bomb blasts and natural calamities like heavy rains, cyclones & hurricanes etc. the total cost of the project is amounting to Rs. 1554.242 million. The expenditure incurred till June 2025 is 1041.225 M.

The capital component of the scheme has been completed. However, for the Trauma Centre, the procurement of equipment is now in process.

PHYSICAL PROGRESS OF SCHEME:

- **Construction of trauma Centre was completed & finished**
- **BSL-II lab construction of the first floor of the Radiology department was completed and functional.**
- **BSL-II lab construction of the second floor of the Radiology Department was completed and functional.**
- **The BSL-II lab was completed and functional. Whereas the equipment of BSL-II lab was being procured from DUHS's own funds to functionalize the building.**
- **Renovation of first floor on radiology department was completed and functional**
- **Renovation of first floor on radiology department was completed and functional (Internal Electrification)**

2. SINDH INFECTIOUS DISEASES HOSPITAL & RESEARCH CENTRE AT NIPA, GULSHAN-E-IQBAL, KARACHI

Sindh Infectious Diseases Control Hospital and Research Center at Nipa, Gulshan-E-Iqbal Karachi is available for the patients suffering from infectious diseases. Thus, it served as a center in prevention and control of existing & emerging infectious diseases. The facilities of all major infectious disease control and General OPD, indoor and emergency treatment facilities are available round the clock. In the first phase, a 200-bedded hospital housed in Block-A and B has been completed. It was visited and inaugurated by Sindh Chief Minister on 5th July, 2020.

3. ESTABLISHMENT OF BIOSAFETY LAB (BSL-III) AT SINDH INFECTIOUS DISEASES HOSPITAL & RESEARCH CENTRE AT KARACHI

This facility will be developed to meet the international standards for BSL-III laboratory certifications as per U.S-NIH guidelines. It will be a state of art facility for SARS-COV-2 diagnostics, surveillance laboratory for risk group 3 pathogens or investigation of lethal pathogens involved in future outbreaks. The laboratory will provide a safe work environment for viral isolation and cultures for the purpose of antiviral drugs and vaccine development. The total cost of the project is 801.328 million.

The potential for harm associated with work with infectious agents can be minimized through the application of high containment facilities, such as BSL lab III. BSL-III facilities are needed for the safe manipulation of such agents. Moreover, activities involving high concentrations of live SARS-COV-2 virus, or large volumes of infectious samples should be performed in no less than a BSL-III environment.

4. **Establishment of Simulation Centre at Shaheed Mohtarma Benazir Bhutto University Larkana, Liaquat University of Medical & Health Sciences Hyderabad, Ghulam Muhammad Mahar Medical College Sukkur & People University of Medical & Health Sciences For Women Shaheed Benazir Abad**

The most important goal of the simulation center is to teach students to act in an emergency. The simulation-based education provides a cohesive, consistent experience for the learner, best practices to give students the best possible learning experience and help them better retain information, enhanced and realistic scenarios while providing course and content flexibility.

It is our goal to prepare entry-level medical, nursing, paramedics, allied health and all those students, faculty, and staff associated with the college in the cognitive, psychomotor skills, and affective behavior, professional learning domains with or without exit points at the emergency preparedness levels. We will maintain this goal by being consistent with and responsive to the demonstrated needs and expectations of the participants to whom we serve.

The healthcare landscape is rapidly changing and evolving, teaching needs to engage professionals who not only have experience in the field of Simulation-Based Training but also have a strong belief in knowledge transformation within available resources.

7.2. ONGOING-CONSTRUCTION PROJECTS

Establishment of Simulation Centre at Shaheed Mohtarma Benazir Bhutto University Larkana, Liaquat University of Medical & Health Sciences Hyderabad, Ghulam Muhammad Mahar Medical College Sukkur & People University of Medical & Health Sciences for Women Shaheed Benazir Abad amounting to Rs. 945.032 M

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CHAPTER 8

STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE

8.1. DIGITAL LIBRARY

The Digital Library program was propelled by HEC to help researchers and mentors at public sector Universities. Digital Libraries allow students and faculty to access international research journals from home and campuses. Computer labs developed by DUHS at all campuses and institutes provide access to global insightful writing in view of online delivery, peer-reviewed journals, databases, articles, and e-books crosswise over an extensive range of disciplines. The HEC digital library gives users access to over 75,000 electronic resources and is accessible from all DUHS computerized libraries. The following lists the digital libraries at the various Dow University of Health Sciences campuses along with the number of systems that are available:

- **Main Digital Library (Ojha Campus) – 178 Computer Systems**
- **Digital Library (DMC Campus) – 80 Computer Systems**
- **Digital Library (Dow Institute of Nursing) – 38 Computer Systems**
- **Digital Library (Institute of Health Management) – 17 Computer Systems**
- **Digital Library (Dow College of Pharmacy) – 19 Computer Systems**
- **Digital Library (Dow College of Biotechnology) – 20 Computer Systems**
- **Digital Library (Dow International Dental College) – 31 Computer Systems**

A total 383 upgraded and/or new Computer systems in all Digital libraries of DUHS.

8.2. ACADEMIC & RESEARCH SUPPORT

8.2.1 Cloud-Based Learning Management System (LMS):

https://dlc.duhs.edu.pk/login/index.php

DUHS has implemented cloud-based Learning Management Systems (LMS) to support digital education for students and faculty. This includes platforms for online coursework, assessments, and virtual classrooms.

8.2.2 Research Electronic Data Capture – REDCAP:

https://www.duhs.edu.pk/redcap/

Redcap (Research Electronic Data Capture) is a secure web application for building and managing online surveys and databases. The university has adopted cloud storage solutions (Redcap) to support research activities, allowing researchers to access shared data, collaborate on projects, and store large datasets securely. It is an enhanced Research Collaboration. Researchers can access and share data in real time, enabling collaborative studies and improving research output.

8.2.3 Establishment of HEC Funded Smart Classrooms

The Smart Classroom setup enhances student-teacher interaction, promotes online and distance learning, and addresses faculty shortages in remote campuses. Each site accommodates 30 students. Voice-tracking cameras provide a hands-free, engaging learning environment for lectures, video conferences, and recordings.

8.3. PERN (PAKISTAN EDUCATION AND RESEARCH NETWORK)

Introduced in 2002, PERN connects universities for research and teaching collaboration. DUHS receives 730 Mbps bandwidth (100 Mbps at DMC and 630 Mbps at Ojha) with backup links for continuity. Additional bandwidth: NTC (400 Mbps), Connect Communication (900 Mbps), Cybernet (60 Mbps internet + 20 Mbps intranet).

This redundancy ensures reliable academic and administrative operations. The following are the details of PERN connectivity:

- **730Mbps internet bandwidth**
- **40 Mbps Intranet bandwidth and**
- **48 Live IP Addresses**

8.3.1 Additional Bandwidth Connectivity Resources

In addition to the primary PERN bandwidth provided under HEC's Smart University initiative, DUHS has provisioned additional internet bandwidth through alternative ISPs. This secondary connection operates simultaneously with the PERN link to balance network load and ensure uninterrupted connectivity. In the event of any downtime or performance degradation on the PERN network, the backup link automatically ensures continuity of academic, research, and administrative services, thereby enhancing network resilience and reliability across all campuses. Through other bandwidths we have acquired:

- **NTC: 400 Mbps**
- **Connect Communication: 900 Mbps**
- **Cybernet: 60Mbps Internet & 20Mbps intranet across Campuses.**

8.3.2 Smart University Wi-Fi Project

Implemented at Ojha Campus, the Wi-Fi project provides seamless, high-speed connectivity for students, faculty, and staff. It supports e-learning, research, and collaboration aligned with HEC's Smart University vision.

8.3.3 Disaster Recovery Site:

A Disaster Recovery Site at DMC ensures business continuity through replicated systems. Security includes AI/ML firewalls, role-based access, two-factor

authentication, vulnerability assessments, and awareness training for students and staff.

8.3.4 Next Generation Firewalls:

Enterprise-grade AI and ML Firewalls are deployed at both campuses to monitor and control incoming and outgoing network traffic based on security rules.

8.3.5 Additional Security Measures:

- **Role-Based Access Controls (RBAC): Ensures only authorized users can access specific systems and data.**
- **Two-Factor Authentication (2FA): Enabled for all systems, such as Microsoft Office 365, Dynamics 365, CMS, Google Workspace, etc.**
- **Regular Vulnerability Assessments: Periodic audits and penetration testing are conducted by the IT security team.**
- **Security Awareness Training: Regular security awareness activities for faculty, students, and staff to enhance the awareness regarding cybersecurity threats and prevention, such as phishing, spamming, skimming, and other kinds of threats.**

8.4. VIDEO CONFERENCING

Available across DUHS, used for seminars, classes, meetings, and clinical events. Platforms include MS Teams, Zoom, and Google Meet. Hardware includes Clary Icon (Ojha), Huawei TE-50 (DMC), and Cisco Tandberg units. Events are often live-streamed on social media.

8.5. CAMPUS MANAGEMENT SOLUTION (CMS)

In collaboration with HEC, DUHS implemented Oracle PeopleSoft CMS to digitize admissions, enrollment, exams, and fees. Upgraded in 2024 to version 9.2, CMS now integrates:

- **Biometric attendance for real-time student records.**
- **Graduate Thesis Module for streamlined research submissions and archiving.**
- **Features: role-based security, dynamic reporting, web access, modular scalability, and third-party integration with LMS/ERP.**

8.5.1 Upgradation of Peoplesoft CMS ERP:

In 2024, DUHS successfully upgraded its Campus Management Solution to PeopleSoft version 9.2, along with the latest People Tools version 8.60.10, enhancing performance, security, and user experience across the board.

8.5.2 Integrated Biometric attendance with CMS

CMS has been successfully integrated with the Biometric Attendance System. Students can view their daily attendance through the CMS self-service portal, while faculty and

administrative staff can monitor and analyze student attendance records directly within CMS.

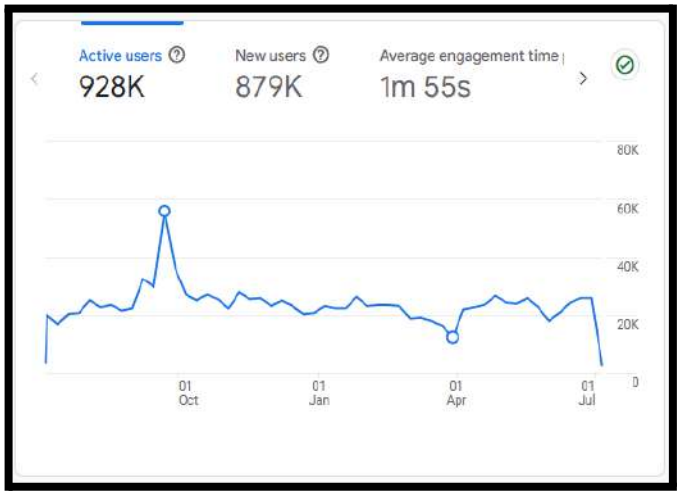
8.5.3 Implementation of CMS Graduate Research & Thesis Management Module

A dedicated Thesis Management Module has been deployed within the CMS to streamline and standardize the graduate research process at DUHS. Students can upload their thesis documents via the CMS student self-service portal. A secure digital archive of approved theses is maintained within CMS for future academic referencing and reporting. Administrative users can generate program-wise reports, status summaries, and timelines for ongoing thesis activities.

8.6. WEBSITE OF DUHS

The DUHS website is a centralized portal for academic, research, and healthcare information. It provides real-time updates on admissions, programs, events, and diagnostics, with HMIS integration for OPD schedules and appointments.

DUHS Website Google Analytics **https://duhs.edu.pk**





8.7. ONLINE ADMISSION SYSTEM

The portal automates applications, online fee payment, eligibility criteria, merit lists, and final admissions, fully integrated with CMS. This ensures transparency and efficiency.

8.7.1 Cloud Services for Academics (Microsoft Office365):

Through HEC, DUHS uses Microsoft Office 365 tools (Outlook, Word, Excel, PowerPoint, Teams, Planner, Yammer). Accounts are provided for faculty, students, and staff with onboarding support.

8.7.2 Dow Connect: https://dc.duhs.edu.pk

A grievance redressal and service request system with features like ticketing, automated routing, reassignment, audit trails, and auto-responses. This ensures timely resolution of issues across departments. Key Features include a Ticketing System, which creates unique ticket IDs for tracking and monitoring

8.7.3 Microsoft Dynamics 365 Finance and Operations - ERP

Deployed to manage finance, HR, payroll, procurement, and operations under HEC's cloud licensing. It strengthens transparency and efficiency in university governance.

8.8. CYBERSECURITY AND INFRASTRUCTURE

DUHS ensures secure digital operations through Cyber Command (NDR platform) for AI/ML-based threat detection, along with Network Access Control (NAC) to prevent unauthorized devices and Endpoint Detection & Response (EDR) for real-time monitoring of laptops, desktops, and servers.

8.9. STUDENT & FACULTY SERVICES

1. **Students and Faculty Feedback Portal: Collects evaluations of faculty and courses for quality improvement. Available at: https://feedback.duhs.edu.pk**
2. **Online Fees Payment: Integrated with QuickPay, Meezan, and HBL, covering tuition, applications, convocation, and transport.**
3. **Faculty E-Portal: Digital registration and tracking for PhD supervisors.**
   Online Fees Payment Portal Available at https://pay.duhs.edu.pk
4. **Dow Assessment System (DAS): Dow Assessment System is a customized in-house development for Q-Banking, Paper Generation, Online Examination, Result, and Item Analysis for digital transformation and paperless examination processes.**

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CHAPTER 9

UNIVERSITIES BUILDING COMMUNITIES

9.1. UNIVERSITY'S ROLE IN BUILDING THE COMMUNITY

Since its inception, DUHS has prioritized community health, offering preventive, diagnostic, and treatment facilities, particularly for underprivileged groups. Faculty and students from undergraduate and postgraduate programs actively participate in civic engagement, extending DUHS's role beyond academics to social responsibility and public health improvement.

9.2. DOW SKILLS DEVELOPMENT CENTER (DSDC)

Established in 2010, DSDC empowers disadvantaged communities, especially DUHS patients and families, through certified training in technology, business, and healthcare. Over 3,000 students have benefitted, with 750+ trained annually in ICT, textiles, and soft skills, leading many to jobs or freelance work. In 2022, it launched sustainable projects like the Textile Learning Factory and healthcare staff training, aligning with SDGs 3, 4, 5, and 8. DSDC's goal is to become Pakistan's leading inclusive training provider, strengthening healthcare capacity and youth employment.

In 2022, DSDC launched self-sustainable projects via industry collaboration. A major success was converting a defunct stitching unit into the industry-sponsored Textile Learning Factory (TLF) at Ojha campus, offering underprivileged people market-relevant training and employment. That same year, DSDC also introduced the DUHS Skills Enhancement Programme to address the rising demand for quality healthcare workers in Pakistan, particularly after the pandemic, by upskilling DUHS staff across multiple disciplines.

DDSDC aspires to be Pakistan's premier provider of inclusive hands-on healthcare training, improving public sector healthcare quality while creating youth employment opportunities. Its initiatives align with DUHS Strategic Goals IV, V, and VI, as well as UN SDGs 3 (Good Health and Well-being), 4 (Quality Education), 5 (Gender Equality), and 8 (Decent Work and Economic Growth).

The following Courses have been conducted by Dow Skills Development Centre from July 2024 to June 2025:

Workshops offered by DSDC during the period July 2024- June 2025

S. #	Name of Training/Course	Date	No. of Participants
1.	Writing Scientific Manuscripts for High-Impact Journals	3 Days	35
2.	Systematic Review and Meta-Analysis	3 Days	31
3.	AI Tools for Medical Research and Publications	3 Days	26
4.	Cell Culture Essentials: From Theory to Practice	2 Days	22

Courses offered by DSDC 2024- 2025

S. #	Name of Training/Course	Date	No. of Participants
1.	DIPLOMA IN INFORMATION TECHNOLOGY	1 YEAR	35
2.	CERTIFICATE IN INFORMATION TECHNOLOGY	6 MONTHS	205
3.	SOCIAL MEDIA MARKETING	4 MONTHS	17
4.	CLINICAL SUPPORT SKILLS CERTIFICATE BATCH 1	4 MONTHS	27
5.	BASICS OF BLOOD BANKING BATCH 2	4 MONTHS	28
6.	BASICS OF STICHING	2 MONTHS	26
7.	DIGITAL MEDIA MARKETING	4 MONTHS	19
8.	DIGITAL MARKETING ESSENTIALS	4 MONTHS	9
9.	CLINICAL SUPPORT SKILLS CERTIFICATE BATCH 2	4 MONTHS	29
10.	BASICS OF BLOOD BANKING BATCH 3	4 MONTHS	8
Total number of Participants			517


Office of Research, Innovation & Commercialization
Dow Skills Development Centre
AI TOOLS FOR MEDICAL RESEARCH AND PUBLICATION
Mastering Literature Review, Data Analysis & Paper Writing
Participants will be able to
Utilize AI tools to conduct efficient literature reviews and write concise summaries.
Apply AI-driven techniques for statistical analysis of data, handling large datasets effectively.
Incorporate AI-assisted drafting and editing tools to improve clarity, precision, and quality in research writing and publication.
Understand the ethical implications and practical challenges of AI in research to make responsible, informed decisions about AI integration.
FACILITATOR
PROF. KASHIF SHAFIQUE
Starting from 23rd Nov. to 7th Dec. 2024
(3 Sessions) Venue: DUHS Ojha Campus
Investment
PKR 8,000
For Registration & Queries: 0319-366-DSDC (3732) | dsdc@duhs.edu.pk


DOW UNIVERSITY OF HEALTH SCIENCES
Dow Skills Development Centre
Batch-2
3-Day Certified Workshop on
SYSTEMATIC REVIEW & META-ANALYSIS
Justify, conduct, and interpret systematic reviews and meta-analyses, including data extraction and effect size summarization
Lead Facilitator
Prof. Dr. Kashif Shafique
This workshop covers research questions, search strategies, data quality, publication bias, and statistical methods for meta-analysis and meta-regression
Investment: PKR 9,500/-
Dow Medical College (DMC)
March 25th, 26th & 27th 2025
Timings: 1:30pm - 4:00pm


DOW UNIVERSITY OF HEALTH SCIENCES
GRAPHIC DESIGN BATCH-3
3 MONTHS HANDS-ON COURSE
Learn the technical and artistic tools of Graphics design needed to master 3D Animation and visual effects for film, Video, and content creation
REGISTER NOW
TUESDAY | THURSDAY | SATURDAY
3:30 PM - 5:30 PM
VENUE:
IBHM COMPUTER LAB 4TH FLOOR INSTITUTE OF NURSING BUILDING DOW UNIVERSITY OF HEALTH SCIENCES OJHA CAMPUS, SUPARCO RD, KARACHI
CONTACT
0319-366-DSDC (3732)
dsdc@duhs.edu.pk
dow.university
dow_uni
dow_university
DUHS


DOW SKILL DEVELOPMENT CENTRE
DOW UNIVERSITY OF HEALTH SCIENCES
6 MONTH COURSE
PKR 15,000/-
INCLUDING CERTIFICATION
EVENING CLASSES
CERTIFICATE IN INFORMATION TECHNOLOGY
Get a jump start on your IT career through this comprehensive government certified course at the Dow Skill Development Centre (DSDC)
TIME
RAMZAN:
2:00 PM TO 4:00 PM
AFTER RAMZAN:
4:00 PM TO 6:00 PM
DAYS
Tuesday and Thursday
VENUE:
Dow Skill Development Centre
1st Floor, DIMC Central Library Building,
DUHS Ojha Campus, off Suparco Rd, Karachi
0319-399-DSDC (3732)
0335-000-DSDC (3732)


CERTIFICATE IN INFORMATION TECHNOLOGY
Discover the world of IT with our comprehensive CIT program. From understanding computer hardware to harnessing the power of software.
Office Automation (MS Word, MS Excel, MS Excel)
Basic Graphics with Adobe Photoshop
Web Designing through Dreamweaver
Internet
ONLY 2 DAYS LEFT TO GET REGISTER
0319-366-3732


DOW UNIVERSITY OF HEALTH SCIENCES
Dow Skills Development Centre
Social Media Marketing in Healthcare
Build a portfolio that sets you apart in the job market
COURSE FEE: 19,500/-
3 MONTH DURATION
EVENING CLASSES ON-CAMPUS
REGISTER NOW
Hands-on industry project, where you'll get to work on real-world scenarios

9.3. DIMC SUMMER INTERNSHIP PROGRAM FOR SCHOOL STUDENTS

DUHS organized a four-day Summer Internship Program for school students to provide hands-on exposure to healthcare and public health. Participants learned about non-communicable and infectious diseases, environmental and occupational health, and adolescent mental health. Visits included specialized institutes, research facilities, water purification plants, trauma centers, and behavioral sciences institutions. Students gained practical insights into disease prevention, healthcare delivery, waste management, food safety, and mental health. The program emphasized experiential learning and community engagement, inspiring participants toward future careers in healthcare and public health.

Day 1: Non-Communicable Diseases and Public Health Importance:

On the first day of the program, students focused on non-communicable diseases (NCDs) and their public health significance. They visited key healthcare facilities including National Institute of Diabetes and Endocrinology, Gamma Knife Radiosurgery and Institute of Physical Medicine and Rehabilitation to understand the prevention, management, and impact of NCDs on individuals and communities.

Day 2: Infectious Diseases and Public Health Importance:







The second day focused on infectious diseases and their public health implications. Students visited healthcare facilities like National Institute of Liver and Gastroenterology, Immunization Centre and TB Clinic dedicated to the prevention, diagnosis, and treatment of infectious diseases.

Day 3: Environment and Occupational Health

On the third day, students explored environmental and occupational health concerns, including hazards and preventive measures. Students visited Animal House where students learned about animal research facilities and the importance of ethical practices in biomedical research. Incinerator where students learned about waste management practices and Riva Water Plant where students gained insights into water purification techniques and quality control measures.

Day 4: Adolescent Mental Health

The final day focused on adolescent health, addressing the unique health needs and challenges faced by young individuals. Food Laboratory: Students learned about food safety and quality control measures Trauma Centre: Students gained insights into emergency care services for traumatic injuries AQ Khan Institute of Behavioral Science: Students explored mental health issues and psychosocial challenges faced by adolescents.

9.5 UNIVERSITY'S ROLE IN BUILDING THE COMMUNITY:

9.5.1 DOW MEDICAL COLLEGE (DMC)

Community Activities of Community Medicine Department, Dow Medical College

S. No.	Date	Faculty	Event/Activity	Venue
1	24-04-2025 - 26-04-2025	Dr. Khalid Shafi Dr.S.M Ashraf Jahangeer,Dr.Gat i Ara, Dr Lubna Raza,Dr.Javeria, Dr,Mustafa, Dr. Safia	Field Visit with first year MBBS student	Rabies Vaccine Center , Public Health School , EPI Center, Family Planning Center Dr.Ruth K Pafu Civil Hospital, Khi.
2	22 July 2024	Dr.M.Khalid Shafi	Technical working Group inception meeting	Meeting Hall EPI, Sindh.
3	07-08-2024	Dr.M.Khalid Shafi	Provincial Advocacy & Sensitization Seminar	Hotel Avari Tower, Karachi
4	20-08-2024	Dr.M.Khalid Shafi	National Immunization Technical Advisory Group (NITAG) meeting on Measles-Rubella.	At Islamabad. Pakistan.
5	28-07-2024.	Dr.M.Khalid Shafi	Pediatric Conference from 27-07-2024	Movenpick Hotel, Karachi.
6	31-10-2024 -02-11-2024.	Dr.M.Khalid Shafi	Biennial International Conference as Speaker./ Faculty from	Pearl Continental Hotel, Lahore.
	18-10-2024	Dr.M.Khalid Shafi	Live Segment in SSA	At Hum TV, Karachi.

	9-12 September 2024	Dr.M.Khalid Shafi	new vaccine introduction and national immunization Technical Advisory Group (NITAG)	Secretariat capacity building Tunis, Tunisia.
7	31-10-2024.	Dr.M.Khalid Shafi	Live Segment in SSA	At Hum TV, Karachi.
8	11-12-2024-12-12-2024	Dr.M.Khalid Shafi	RMNCAH Technical working group (TWG)	Western Hotel, Islamabad.
9	20-01-2025-24-01-2025.	Dr.M.Khalid Shafi	Sindh Breastfeeding Promotion & Protection Act Awareness seminar with Dieticians, Obstetricians & Public Health colleagues	At School of Public Health Dow University of Health Sciences Karachi.
10	20-01-2025-24-01-2025.	Dr.M.Khalid Shafi	Technical Advisory on Eradication of Poliomyelitis	At Afghanistan ,
11	25.1.2025	Dr.M.Khalid Shafi	PPA Media Briefing on Breastfeeding Protection & Promotion Act	At Karachi Press Club.
12	31.1.2025	Dr.M.Khalid Shafi	Let's make Pakistan a Safe place for our Children	At Hum New Digital.
13	13th March 2025.	Dr.M.Khalid Shafi	Improving Immunization Coverage & VPD Surveillance	At Pediatric ward Civil Hospital, Karachi.
14	03-02-2025.	Dr.M.Khalid Shafi	Breast Feeding Promotion. For the "SARIF KI AWAZ"	Sindh Police FM88.6. Garden Head Quarter, Karachi.
15	27-02-2025	Dr.M.Khalid Shafi	Baby Friendly Hospital Initiative	Sindh Institute of Child Neonatology. Karachi.
16	16-04-2025	Dr.M.Khalid Shafi	National Symposium on Primary Health Care Foundation for University Health Coverage	Aga Khan University Karachi.
17	21-04-2025.	Dr Khalid Shafi Prof Amanullah LailDr Abid Hussain ,Dr Ashraf Jahangir &Dr Tariq Masood GAVI	World Immunization Week 2025 Session	at Ruth Pfau CHK DMC
19	22-04-2025.	Dr Khalid Shafi Prof Yousuf Yahya & Sukaina	Day 2 of World Immunization Week 2025 Awareness session with Faculty & Students of Dow school of Public Health and School of Nursing at Speakers.	Ojha campus DIMC
20	23-04-2025	Dr Khalid Shafi, Prof Waseem Jamalvi ,Dr Ashraf Jahangir.	Day 3 of World Immunization Week 2025 .Session with 3rd Professional MBBS students of Dow University	At Anatomy Hall DMC,DUHS.
21	24-04-2025.	Dr Khalid Shafi, Prof Waseem Jamalvi ,Dr Ashraf Jahangir.	Immunization for All is humanly possible. World Immunization Week 2025 .Day 4 Immunization Awareness walk	at DMC and CHK
22	25-04-2025	Dr Khalid Shafi, Prof Waseem	Immunization week 5	at Arag hall, DMC, DUH

		Jamalvi ,Dr Ashraf Jahangir.		
23	29-04-2025-30-04-2025.	Dr.M.Khalid Shafi	Pakistan Health System Review mission on primary Health Care Oriented Model of Care and Health Workforce from	WHO Office Islamabad.
24	26-05-2025	Dr.M.Khalid Shafi	Orientation Session on BFHI self-Appraisal, Assessment monitoring	At IQRA SICHN. Karachi.
25	24-06-2025 – 26-06-2025	Dr.M.Khalid Shafi	WHO TAG Meeting	At Islamabad. Pakistan.

9.5.2 SCHOOL OF DENTAL CARE PROFESSIONALS (SDCP)

World Oral Health Day:

On March 20, 2025, SDCP celebrated World Oral Health Day at Anmol Zindagi Old Age Home with the theme *"Healthy mouth for a healthy mind."* Faculty and students of Dental Hygiene and Dental Technology performed oral screenings, assessed prosthetic needs, and conducted awareness sessions for the elderly. Participants discussed sustainable care solutions, while oral hygiene kits were distributed to residents. The program concluded with a cake-cutting ceremony, emphasizing care and empathy for older adults, while fostering student learning and social responsibility.







9.5.3 Department of Community Dentistry, Dow Dental College

Dr. Adnan Sukkurwala and Dr. Athar Khan engaged with the District Health Officer, Malir, to co-design a training module for Lady Health Workers (LHWs), integrating oral health into their care responsibilities. The initiative assessed LHWs' knowledge of oral health to build their capacity for supporting mothers and pregnant women. By embedding oral screening and health education into the LHW program, this effort promotes preventive care at the community level and strengthens maternal and child health services.





9.5.4 School of Public Health (SPH)

In October 2024, SPH organized several health awareness initiatives at Landhi Community Centre and schools. A breast cancer session highlighted early detection and care, supported by nutrition students who managed logistics and led a walk. A breastfeeding session emphasized maternal nutrition, myths, and best practices. Students also educated schoolchildren on anemia, hygiene, and illness prevention through interactive methods. Collectively, these efforts improved community health literacy, encouraged open dialogue on women's and children's health, and provided students with valuable field-based health promotion experience.

Oncology specialists Dr. Omaima and Dr. Marium emphasized early detection, self-examination, and timely care. BS Nutrition students supported the event by decorating the venue, managing logistics, and leading a community awareness walk, creating a welcoming environment for women to openly discuss health concerns.

In November 2024, SPH conducted a Breastfeeding Practices Awareness Session, led by Dr. Sumaira Nasim, focusing on optimal breastfeeding, maternal nutrition, and dispelling myths. Faculty and students engaged community women through discussions, Q&A, and practical demonstrations, strengthening maternal and child health education.

Also, in November 2024, final-year BS Nutrition students held an Awareness Session at a government school in Landhi, educating children on anemia, iron deficiency, hygiene, and common diseases. Using interactive methods and visual aids, they highlighted iron-rich diets, hygiene practices, and illness prevention, making health education practical and relatable.

Collectively, these initiatives enhanced community health literacy, built trust between DUHS and Landhi residents, and gave students valuable field experience in health promotion and community engagement.





9.5.5 Diabetes Assessment and Awareness Session – December 2024

In December 2024, a Diabetes Assessment and Awareness Camp was held at the Landhi Community Centre to address rising diabetes concerns. The camp offered free blood sugar testing, health assessments, and educational sessions on prevention, healthy eating, and lifestyle changes. This initiative empowered residents with practical knowledge, promoted early detection, and encouraged proactive healthcare in a community with limited access to regular screenings, strengthening trust between DUHS and the local population.



9.5.6 Nutrition Awareness for Adolescents – Korangi Academy

A session at Korangi Academy focused on promoting healthy eating among adolescents. Topics included balanced diets, nutrients' role in growth and learning, and practical food choices within local contexts. Interactive activities engage students, enabling them to relate concepts to daily life. The initiative aimed to instill healthy lifestyle habits critical for physical and cognitive development during adolescence.



9.5.7 Educational Visit to Indus Hospital – July 1, 2025

Final-year BS Nutrition (Public Health track) students visited Indus Hospital, observing the CMAM (Community-based Management of Acute Malnutrition) treatment protocol and the PCM OPD. The visit provided hands-on exposure to nutrition assessment and management of acute malnutrition, strengthening practical competencies alongside classroom learning.



9.5.8 Educational Visit to Landhi Community Centre – June 18, 2025

BS Nutrition (Public Health track) students visited Landhi Community Centre to observe community-based nutrition programs and interact with residents. They assessed local challenges and explored culturally relevant interventions. The visit bridged theoretical learning with practical realities, improving understanding of program design, implementation, and community health education in underserved urban settings.





9.5.9 ENRICH Project – Landhi Community Engagement (2024–2025)

Under ENRICH, faculty and students actively contributed to health promotion in Landhi. Activities included CBO formation meetings with women, household visits for health education, collaboration with Lady Health Workers, and student-led data collection. These sustained interactions promoted community ownership, generated valuable local data, and enriched students' practical training. The project reflects DUHS's commitment to community-based service learning and long-term public health improvement.





9.5.10 Dow College of Pharmacy (DCOP) – Mental Health Session

In October 2024, DCOP, in collaboration with Getz Pharma, hosted *"Mental Health in Academic Settings."* Experts emphasized early intervention, coping strategies, and resilience to manage academic stress. Students and faculty engaged in interactive discussions, promoting emotional well-being, reducing stigma, and fostering a supportive academic environment.

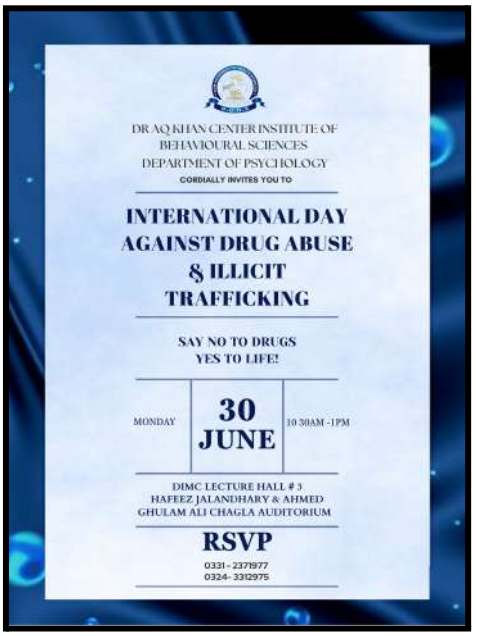
9.5.11 Institute of Behavioral Sciences (IBS)

Students visited Edhi Children's Home (July 2024) as part of their Social Studies course. They engaged children in art-based activities to foster creativity, healing, and connection, promoting empathy and inclusivity.

On June 30, 2025, IBS marked International Day Against Drug Abuse with an awareness session on substance use disorders. Experts discussed psychological and social dimensions, debunked myths, and highlighted therapeutic strategies. Both initiatives promoted compassion, social responsibility, and community health awareness.

9.5.12 Institute of Behavioral Sciences (IBS)

International Day Against Drug Abuse and Illicit Trafficking – Awareness Session on Substance Use Disorders (30th June 2025):



In observance of the International Day Against Drug Abuse and Illicit Trafficking, an awareness session was organized on 30th June 2025 to deepen understanding of substance use disorders and their multifaceted impact. The event featured expert professionals from the field of mental health and addiction counseling, who provided evidence-based insights into the psychological, social, and physiological dimensions of drug abuse. The session included an interactive segment where participants engaged in meaningful discussions, debunked common myths related to addiction, and explored effective coping mechanisms and therapeutic approaches used in addiction counseling. This initiative aimed to educate attendees, promote early intervention, and reduce the stigma surrounding substance use, ultimately contributing to a more informed and empathetic community.

9.5.13 Dow Institute of Medical Technology (DIMT)



Graduating RCCT students conducted outreach at Dar-ul-Sakoon, under the guidance of Miss Hina Rizvi and Miss Afshan Arzoo, raising awareness on cardiopulmonary health and nutrition for the elderly. They taught breathing exercises, facilitated recreational activities, and built intergenerational bonds.

RCCT students also organized a session on inhalation injuries for firefighters, covering risks, prevention, and practical breathing strategies, with Karachi Fire Brigade collaboration.

TB Awareness Seminar at OJHA Institute

On March 26, 2024, DIMT held a TB Awareness Seminar at Ojha Institute, using posters, counseling, and leaflets to promote early detection, prevention, and treatment adherence. Collectively, these initiatives reflected DUHS's focus on public health, safety, and disease prevention.



9.5.14 Dow Institute of Physical Medicine & Rehabilitation (DIPM&R)

On 25th March 2025, the Department of Physiotherapy at DIPM&R, under the supervision of Dr. Sarfaraz, organized a hands-on exercise execution session at the DUHS Fitness & Sports Rehabilitation Center (F&SRC). It was attended by students, staff members, patients, and their families, who actively engaged in learning practical techniques for improving strength, mobility, and rehabilitation outcomes.

World Stroke Day Public Awareness Program: DIPMR

On the occasion of World Stroke Day, observed on 8th October 2024, the Department of Physiotherapy at DIPM&R organized a public awareness program aimed at educating the community about stroke prevention, early signs, and rehabilitation strategies. The session was led by faculty members including Dr. Saeed Shaikh, Dr. Mustafa, Dr. Yasin, and Dr. Jetindar, who shared their professional insights on stroke management and the critical role of physiotherapy in post-stroke recovery.



9.5.15 Dow International Medical College (DIMC)

Field Visit to Expanded Programme on Immunization (EPI) Centre: 24th April 2025

The visit was designed to provide hands-on exposure to the working of the Expanded Programme on Immunization (EPI). Students observed the cold chain system, including vaccine storage protocols, temperature monitoring, and logistics of vaccine distribution. Briefing on Immunization was given by the experts. Practical sessions on vaccination record-keeping were conducted by EPI staff, who also shared field-level challenges such as vaccine hesitancy and cold-chain gaps.



Field Visit to National Institute of Diabetes and Endocrinology (NIDE): 26th April 2025

Students were oriented to the multidisciplinary approach of NIDE in addressing the rising burden of diabetes and endocrine disorders. Sessions included patient interaction, demonstrations of screening techniques, and discussions with specialists on lifestyle modification. The visit highlighted the dual burden of infectious and non-communicable diseases in Pakistan, reinforcing the importance of preventive health measures. Students visited the Insulin Bank, Obesity Clinic, Foot Clinic and General OPD of Diabetes Patients.

Celebration of World Immunization Week (24th – 30th April 2025)

a. Awareness Session on Immunization and EPI in Pakistan

Speakers: Prof. Zulfiqar Sheikh & Dr. Faryal Nawab

A structured session covered the current status of immunization in Pakistan, gaps in coverage, and strategies to build vaccine confidence. Case-based discussions on community-level barriers were conducted. Students were encouraged to critically evaluate Pakistan's immunization landscape and propose innovative solutions.



b. Immunization Awareness Walk Date: 28th April 2025

Department of Community Medicine at Dow International Medical College (DIMC) proudly organized an impactful Immunization Walk as part of World Immunization Week. This initiative aimed to promote awareness about the vital role of vaccination in preventing infectious diseases. Led by Principal Professor Iftekhar Ahmed, the walk witnessed enthusiastic participation from students of DIMC, who displayed their dedication by preparing creative banners and posters that emphasized the importance of immunization. The event was conducted under the powerful slogan *Humanly Possible*; reflecting the shared vision of achieving universal immunization for all.

The Immunization Walk served as a platform to educate the community about the significance of vaccines in safeguarding public health, inspiring individuals to prioritize immunization for a healthier future.

C. Workshops on Professional Ethics in Healthcare: April 2025 and June 2025

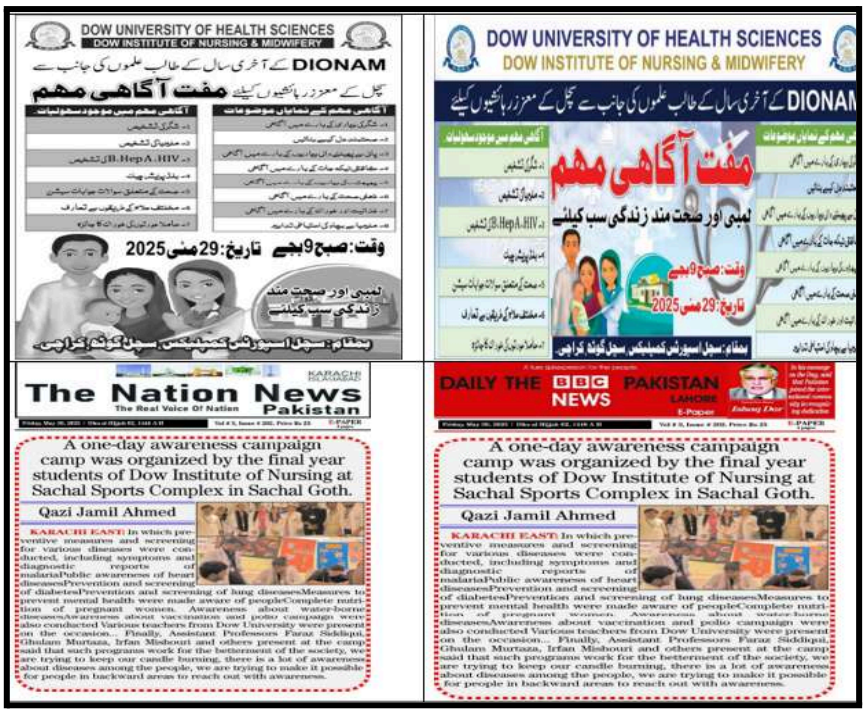
a workshop series addressed ethical dilemmas in healthcare, focusing on autonomy, confidentiality, beneficence, and justice. Role-play and case-based learning methods were used to simulate real-life clinical scenarios.



9.5.16 Dow Institute of Nursing and Midwifery (DIONAM):



Community-Based Strategies for Improving Immunization and Reaching Zero-Dose Children in the Slum Areas of Landhi Town, Karachi



Students of the BS Nursing and Post RN BSN programs at DION&M–DUHS, under faculty supervision, conducted a community health project in Landhi Town, Karachi. The project assessed zero-dose children, explored reasons for non-vaccination, and developed community-based strategies to improve coverage. Household visits, discussions, and gender-specific workshops highlighted barriers such as lack of awareness, cultural misconceptions, limited access, and women's mobility restrictions.

Interventions included engaging local leaders, empowering women as health advocates, and strengthening outreach services. The project provided students with practical experience while contributing meaningful solutions to reduce zero-dose children, with findings shared in a dissemination seminar involving EPI officials and community leaders.

Community Health Awareness Session 29th May 2025



BSN Year-IV students of the Dow Institute of Nursing & Midwifery (DION&M), under the supervision of faculty and Principal Prof. Dr. Tanseer Ahmed, organized a health awareness and screening program at Sachal Goth, benefiting 200–300 individuals. The initiative covered diabetes, hypertension, infections, sanitation, nutrition, and immunization, with screenings conducted in collaboration with the CDC. Activities included education sessions, screenings, and interactive Q&As. The program enhanced community awareness, improved sanitation and health practices, facilitated early disease detection and referrals, increased immunization coverage, and strengthened public trust in healthcare services.



9.5.17. An Insight into Breast Cancer-Related Reproductive Tract Malignancies: Clinical and Genetic Assessment

Held on October 28, 2024, at the Professional Development Centre, DIMC, this CME program was organized by the Department of Obstetrics & Gynecology, Dow University Hospital (DUHS). The event focused on the genetic links between breast cancer and reproductive tract malignancies. The program was chaired by Prof. Dr. Jahan Ara Hassan, now Vice Chancellor of Dow University of Health Sciences and Medical Superintendent of Dow Hospital. The program was moderated by Dr. Saima Aziz, Associate Professor of Obstetrics & Gynaecology at DUHS, and attended by gynecologists from various institutions as well as postgraduate trainees from the Department of Obstetrics & Gynaecology, who enthusiastically participated in the session.



9.5.17. Society of Obstetricians and Gynecologists of Pakistan, National Conference



9.6 ALUMNI AFFAIRS: OUTSTANDING ACHIEVEMENTS

Alumni from Dow University of Health Sciences are serving in various medical and allied health sciences of national as well international repute.

9.6.1 International Alumni of DUHS



Dr. Asif Hassan – Winner of the WellChild Best Doctor of the UK Award

Dow University of Health Sciences proudly celebrates Dr. Asif Hassan (Batch of 1979, Dow Medical College), an accomplished pediatric transplant surgeon whose dedication and skill have earned him the prestigious *WellChild Best Doctor of the UK Award*.

Career & Leadership.

After graduating from Dow, Dr. Hassan pursued advanced training and established his career in the United Kingdom, where he has become a leading figure in pediatric transplant surgery. Based in Newcastle, he has devoted himself to providing world-class care to children facing life-threatening medical challenges, setting benchmarks in complex pediatric interventions.

Achievement.
Dr. Hassan's award is a recognition of his remarkable service and surgical expertise, most notably demonstrated in an 11-hour reconstructive surgery on a premature infant. This extraordinary procedure highlighted not only his technical mastery but also his perseverance and compassion, offering a lifeline to one of the most vulnerable patients.

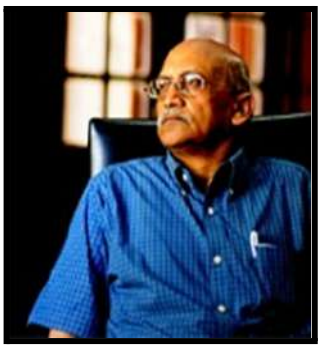
Awards & Recognition.

The *WellChild Awards*, held annually in the UK, honor exceptional healthcare professionals who go above and beyond for children with chronic or serious illnesses. Dr. Hassan's recognition as *Best Doctor* reflects his pioneering contributions to pediatric transplantation and his ability to deliver transformative outcomes.

Legacy.

Dr. Asif Hassan's achievements bring immense pride to the Dow University community, exemplifying the values of professional excellence and humanitarian service. His work continues to inspire future generations of physicians, reminding us that commitment, innovation, and compassion can change lives and strengthen DUHS's global impact in healthcare.

9.6.2 National Alumni: Outstanding Achievements



Prof. Shershah Syed – Global Leader in Maternal Health & Obstetrics

Dow University of Health Sciences proudly honors Prof. Shershah Syed (Batch of 1977, Dow Medical College), an internationally acclaimed obstetrician-gynecologist, surgeon, and humanitarian whose lifelong mission has been to improve maternal health and champion women's rights in Pakistan and across the globe.

After completing his MBBS at Dow, Prof. Shershah trained in the UK and Ireland, earning his MRCOG before returning to Pakistan. He began his academic career at Dow Medical College and went on to serve as Medical Superintendent of Sobhraj Maternity Hospital and as a leading physician at Qatar Hospital, Orangi Town, where he pioneered access to quality healthcare for underserved communities.

Prof. Shershah has held key leadership positions including President of the Society of Obstetricians & Gynecologists of Pakistan, the International Society of Fistula Surgeons, and the Pakistan National Forum on Women's Health. His humanitarian work shifted focus from infertility to addressing maternal mortality, obstetric fistula, and violence against women. Partnering with UNICEF and UNFPA, he established midwifery schools nationwide, while also translating 13 major midwifery and nursing textbooks into Urdu and Sindhi—empowering generations of midwives and nurses.

His pioneering efforts have been recognized globally, with honors including the FIGO Distinguished Community Obstetrician Award (2003), Sheikh Hamdan Award (2012), Pride of Karachi Award (2014), and recognition by *Women Deliver* as one of the 100 Most Inspiring Individuals for Girls & Women (2011).

Author of *Vision: Not Just a Dream* and subject of a published biography, Prof. Shershah continues to advocate against child marriage, honor killings, and gender-based violence.

For over four decades, Prof. Shershah Syed has exemplified surgical excellence, public health leadership, and social justice, leaving an enduring legacy in maternal health and women's empowerment.

9.6.3 NOTABLE ALUMNI OF DUHS, ALL CONSTITUENT COLLEGES

Dr. Mohammad Azib – EdTech Visionary & Global Innovator in Medical Education



Dow University of Health Sciences proudly recognizes Dr. Mohammad Azib (Class of 2015, Dow International Medical College), a pioneering alumnus transforming medical education through technology. As Founder, CEO, and CTO of MedAngle, Dr. Azib has revolutionized how aspiring physicians learn, making a lasting impact across South Asia and beyond.

Career & Innovation: MedAngle has rapidly scaled from a single pilot to serving over 140 institutions in Pakistan, the Middle East, and the UAE, supported by a team of 175+ doctors and medical students. The platform has earned national and international acclaim, including the P@SHA ICT Gold Award (2022) and recognition among HolonIQ's Top 100 South Asian EdTech Startups.

Global Recognition: In 2023, MedAngle became the first Pakistani startup selected for the GSV Elite 200, with a nomination to the global GSV 50, placing it among the world's most innovative EdTech ventures. Dr. Azib has further represented Pakistan through elite programs including the Transcend Fellowship (Silicon Valley), Stanford Seed Spark Program, and the Harvard–MIT Global Healthcare Innovation Program.

Legacy: Through visionary leadership and entrepreneurial excellence, Dr. Azib exemplifies the spirit of DUHS alumni making a global impact, inspiring future generations to blend medical expertise with innovation for worldwide change.



Dr. Muhammad Asad – Rising Young Dentist & Humanitarian

Dow University of Health Sciences proudly highlights Dr. Muhammad Asad (BDS, Class of 2021, Dow Dental College), a young professional whose dedication extends beyond dentistry into humanitarian service. After completing his house job at Dow in 2022, he actively volunteered in DUHS-led flood relief operations, providing essential aid and care in affected regions of Sindh. For his extraordinary efforts, he was honored with the Prime Minister Flood Hero's Award (2022), presented by the Honorable Prime Minister of Pakistan. Dr. Asad stands as an inspiring role model, embodying the compassion, service, and commitment of DUHS alumni.

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CHAPTER 10

SPORTS

10.1. INTER-DEPARTMENTAL SPORTS AT DUHS

Dow University of Health Sciences (DUHS) organizes an annual Sports Week to encourage maximum student and faculty participation in co-curricular activities. With a state-of-the-art gymnasium and cricket ground, students can train and play regularly under the guidance of expert coaches, enabling them to develop skills for national and international competition.

As of 2024, faculty sports competitions have also been held, with faculty matches becoming a spirited highlight of the week. Sporting activities at DUHS extend beyond fitness and recreation, offering structured training and athlete support alongside academics. Sports Week also integrates intellectual and cultural pursuits, including English and Urdu debates, declamation contests, and literary festivals. Outdoor competitions such as cricket, football, athletics, shot put, and javelin throw complement indoor games like basketball, throw ball, netball, badminton, and table tennis, held at the Ojha Campus gymnasium. These activities collectively promote holistic student development, teamwork, and community spirit within the University

10.1.1 Martial Arts-Self Defence training for students, staff and faculty on the occasion of Defence Day- 3rd September 2024:



On 3rd September 2024, DUHS observed Defence Day with a self-defense workshop organized by the Sports Department in collaboration with the Martial Arts and Fitness Studio. The session equipped students, staff, and faculty with essential self-defense techniques, highlighting the importance of personal safety, confidence, and situational awareness for all ages and genders. The training not only promoted physical preparedness but also empowered participants with greater self-assurance.

10.2 DUHS Celebrates Global Olympic Day

Olympics Day, celebrated as part of the Nixor College Boot Camp at Dow International Medical College, featured an exciting badminton tournament and a dynamic martial arts display. Students were introduced to self-defense techniques, fitness training for health and sports, and high-intensity workouts. Dow Premier League caps were given as souvenirs, while DUHS sports shirts and Olympics shirts were awarded to the winners, making the day truly memorable.

10.3 Dow Premier League- 6th April 2024











10.4 Intra DUHS Indoor Sports 2024-2025

The Sports Directorate hosted the Intra-DUHS Indoor Games on October 28, 2024, with over 100 students competing in chess and table tennis. The enthusiastic participation reflected DUHS's commitment to promoting both physical fitness and mental agility. Chess encouraged strategic thinking, while table tennis highlighted patience, focus, and perseverance—skills essential for overall well-being.









10.2. PARTICIPATION IN NATIONAL CHAMPIONSHIPS

Students from DUHS participated in National Level Sports Events:

Participation in AKU and NUST Olympiads

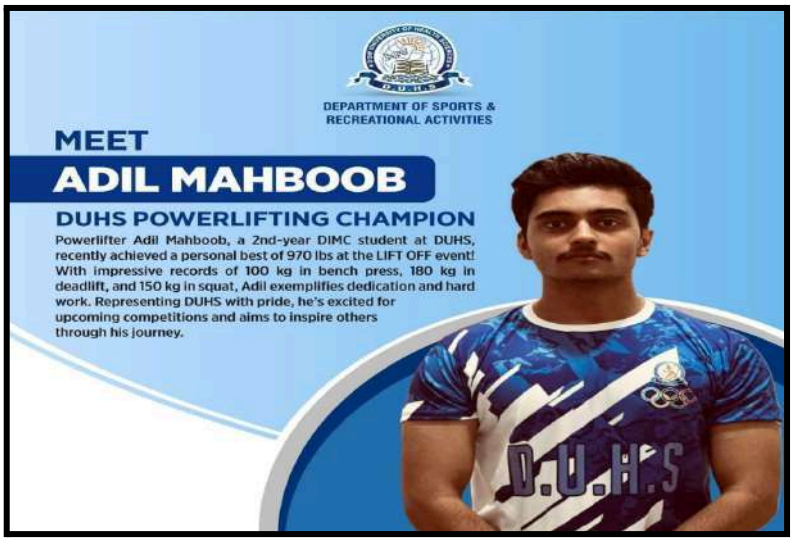
The contingent clad in blue with the DUHS flag held high, showed the power of team efforts and clinched winning trophies in 3 games.





DUHS Powerlifting Champion: Adil Mahboob

Dow University of Health Sciences (DUHS) proudly celebrates the achievements of Adil Mehboob, a second-year student MBBS at Dow International Medical College (DIMC) and a passionate powerlifter. Competing in the 66kg weight category, Adil recently participated in one of Pakistan's premier powerlifting events, LIFT OFF, where he achieved a lifetime personal best of 970 lbs. His dedication and discipline have resulted in impressive personal records, including a 100 kg bench press, a 180 kg deadlift, and a 150 kg squat.



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CHAPTER 11

UNIVERSITIES BUILDING LEADERSHIP

11.1. FACULTY LEADERSHIP

Awards and Representation in Government Policy making committees, memberships on various councils etc.

Faculty Leadership Awards- Highest Awards:

Name of Faculty Member	Title of Award	Year	Name of Org.
Prof. Mohammed Saeed Quraishy	Tamgha e Imtiaz	August 2020	Government of Pakistan, awarded by President Dr. Arif Alvi.

Representation in Govt. Policy Making Committee (FY 2024-25)

Name of Faculty Member	Name of Committee /Representation	Name of Org.
Prof Farhan Saeed Vakani Director DIHPE	Faculty Development Committee	Association for Medical Education in Europe
Dr Farhan Ishaque (DIPMR)	Chairman of Board of Studies	Dow Institute of physical Medicine and rehabilitation, DUHS.
	Member of Board of Studies	Peoples University of Health Sciences, Nawabshah, PUMHS
	Member of Board of Studies	Jinnah Women University
	Member of Board of Studies	ISRA University
Dr. Shumaila Aman Assistant Professor		National Curriculum Council / Faculty expert National Curriculum Council, Ministry of Federal Education and Professional Training (MoFEPT), Government of Pakistan.
Prof. Dr. Noor Jahan Professor		Pharmacy Council of Pakistan Ministry of National Health Services, GoP
Dr. Muhammad Khalid Shafi Associate Professor	Chair National Immunization Technical Advisory Group (NITAG)	EPI Govt of Pakistan
	Member Technical Advisory Group (TAG) for Polio Eradication	WHO
	Member Immunization Committee	International Pediatric Association (IPA)

	Member National Task Force for Newborn Survival Strategy	Ministry of National Health Govt of Pakistan
	Member TWG Newborn Survival Strategy Sindh	Director General of Health Govt of Sindh
	Member Polio Expert Review Committee	Director General of Health Govt of Sindh
	Technical working group for Rabies control and Prevention.	Director General of Heath Govt of Sindh.
	Technical working Group for HPV Vaccine in Sindh	Secretory Health Govt of Sindh.
	Member Breast Feeding Steering Committee Sindh	Health Department Govt of Sindh.
	Member TAG to Infant feeding Board Sindh	Health Department Govt of Sindh.
Prof. Dr. Ambrina Qureshi	Journal Recognition Committee – health and biological sciences	Higher Education Commission Islamabad
Dr. M. Khawaja Hamaduddin	National Curriculum Review Committee for Allied Health Sciences	Higher Education Commission Islamabad

Membership in Various Associations/Councils (FY 2024-25)

Name of Faculty Member	Designation	Name of Committee /Council/ Association
Prof. Dr. Farhan Vakani	Member	Association for Medical Education in Europe. The Australian & New Zealand Association for Health Professional Educators
Dr. Areesha Anwar (PT)	Lab In charge	Member DUHS Sports Committee.
Ms. Nuzhat Shahid	Audiologist	Saudi Society of Speech Language, Pathology & Audiology Rotary Club of Karachi (Bay)
Dr. Nazia Zeya, PT	Senior Lecturer	Applied for allied health professional council (AHPC)
Prof Dr Farah Naz Professor	Professor	Member of CPSP PAODE
Prof. Dr. Sumbul Shamim	Member	Member American Society of Gene and Cell Therapy Member American Society of Experimental Pharmacology and Therapeutics Member of Pakistan Pharmacological Society.

Dr. Fakhsheena Anjum	Lifetime member	Pakistan Biological Safety Association
	Member	Pediatric Oncology East and Mediterranean (POEM) Group American University of Beirut, Lebanon
Dr. Shumaila Aman	Assistant Professor	American Society for Microbiology / Member
Dr. Muhammad Khalid Shafi	Associate Professor	Member GNN Representing Pakistan Global Network of NITAGS WHO
		Joint Secretary SAPA South Asia Pediatric Association
		Member Executive Committee Pakistan Pediatric Association
		Life Member of PMA Pakistan Medical Association
Dr. Zafar Hydrie	Member	Pakistan Medical and Dental Council, Pakistan, 1993 – 2012 Life Member, College of Family Medicine, Pakistan, since 1995 Life Member, Cancer Society, Pakistan, since 1995 Member, Diabetic Association of Pakistan, Karachi, Pakistan, since 2010
Dr. Mansoor	Member Supervisor	Pakistan Medical & Dental Council Higher Education Commission of Pakistan Epidemiology Society of Pakistan
Dr. Maria Atif		Member of Public Health Association of Australia Member of Pakistan Medical and Dental Council
Dr. Habiba	Reviewer Member	Peer Reviewer: Annals of Jinnah Sindh Medical University. Board Member, BS Food science & technology program. Life time member Pakistan Nutrition & Dietetic society
Dr. Sumaira Nasim	Member	Lifetime member of Pakistan Nutrition and Dietetics Society
Nida Jawed	Member	Life, member , Pakistan Nutrition and Dietetic Society (PNDS)
Tahreem Hussain	Member	Life, member , Pakistan Nutrition and Dietetic Society (PNDS)
Tooba Zaidi	Member	Life, member , Pakistan Nutrition and Dietetic Society (PNDS)
Mehreen Zaidi	Member	Life, member , Pakistan Nutrition and Dietetic Society (PNDS)
Mehreen Amer	Member	Life, member , Pakistan Nutrition and Dietetic Society (PNDS)
Sukaina Shabbir	Member	Life, member , Pakistan Nutrition and Dietetic Society (PNDS)

Sidra Mashkoor	Member	Life, member , Pakistan Nutrition and Dietetic Society (PNDS)
Prof. Dr. Ambrina Qureshi	Principal-School of Dental Care Professionals	British Association for the Study of Community Dentistry (BASCD)
Prof. Dr. Ambrina Qureshi	Core Team- Director	Allied Healthcare Professionals Association of Healthcare Professionals-Globally
Prof. Dr. Ambrina Qureshi	Member	Pakistan Chapter and International Association of Dental Oral and Craniofacial Research
Prof. Dr. Ambrina Qureshi	Expert Reviewer	Research and Innovation Section United Kingdom Research and Innovation Funding Service
Dr Muhammad Khawaja Hammad Uddin	Assistant Professor Vice Principal	Fellow of National Higher Education Academy (NAHE) HEC National Higher Education Academy (NAHE), HEC

11.2. STUDENT LEADERSHIP

Co-Curricular Activities: University Dramas, Exhibitions, Expos, Competitions & Debates at National and International Levels

DUHS Students participated in various competitions held all over the country by different institutes.

Name of Student	Program Name	Date	Event Name	Organized By	Position
Muhammad Khizar Khan	DPT	11-13th April 2025	First International conference on transplantation (FICT)	DUHS	Event Manager
Almeera Asif	DPT	April 29,2025	Painting competition at DUHS book fair 2025	Study Aid Project	First position
Memoona Syed	DPT 4TH YEAR	5th to 7th May 2025	EDITORIAL WRITING COMPETITION	NED UNIVERSITY	Winner
Uswah Asad	MBBS	22nd October 2024	Ahang-e-Kalam All Karachi Declamation Contest	Jinnah Sindh Medical University	Second
Dua Siyal	MBBS	August 13,2024	Yom-e-Istehsal Kashmir Event	DIMC	Volunteer
Dure Fatima			Yom-e-Istehsal Kashmir Event	DIMC	Volunteer
Tahani Izzat			Yom-e-Istehsal Kashmir Event	DIMC	Volunteer
Muhammad Hassan			Yom-e-Istehsal Kashmir Event	DIMC	Volunteer

Faryal Farhan		Sept 10, 2024	Azme- Difa Intra departmental quiz competition	DMC	Volunteer
Fiza Arshad Hania Naz	Perfusion Sciences	2nd International Student Research Conference, Aga Khan Hospital, 7th and 8th Sept, 2024 8th LNH Symposium Pakistan Healthcare Conundrum - January 2025	7th and 8th Sept 2024 10-12 JANUARY, 2025	Agha Khan University Hospital Liaquat National Hospital	Top 20
Farhana Mehak, Isha Riaz Khan	Perfusion Sciences	27th November	Annual Biological Science Conference	Agha Khan University Hospital	
Farhana Mehak, Isha Riaz Khan	Research Conference	7th and 8th Sept, 2024	Annual Biological Science Conference	Agha Khan University Hospital	Top 20
SIMRA, FIZA, UNZEELA	IDEATEX	June 2025	IDEATEX	XSEED	Top 3
1. Khizra fatima 2. Mahrukh 3. Hussain 4.Tayaba	Lucerna scan	1. DICE 2025 2. HEC Sindh Exhibition startup 2025 3.NIC, IDEATEX. 4. ZINDAGI PRICE. 5. DUBIC (Virtual incubation) cohort 5.	1. DICE 2025 2. HEC Sindh Exhibition startup 2025 3.NIC, IDEATEX. 4. ZINDAGI PRICE. 5. DUBIC (Virtual incubation) cohort 5.	. DUHS. 2. HEC 3.NIC ,XSEED 4. ZINDAGI PRIXE 5.DUHS	Price by Bosch Pharma Priced as most Innovative project & Allotted incubation
Muskan Maheshwari	BSRT	23-27 July 2025	National Delegate	National youth summer camp Kalam valley, Swat	Selected
Nabeera Ejaz	BSRT	5 Jan 2025	4th Pakistan Society of Radiographers and Radiological Technologist	PSRRT	1st Position
Namra Zafar	BSRT	5 Jan 2025	4th Pakistan Society of Radiographers and Radiological Technologist	PSRRT	2nd Position
Tuba Karim	BSRT	5 Jan 2025	4th Pakistan Society of Radiographers and Radiological Technologist	PSRRT	3rd Position

Mahreen Ghani , Areesha Rehman , Yasha Khan	BSRT	25 Feb 2025	DUHS 8th DICE	DUHS	Present
Fatima Amir	BS Psychology	9th Aug 2024	Speech Competition	IBS DOW	Participation
Fatima Amir	BS Psychology	13th Aug 2024	Speech Competition	IBS DOW	Participation
Ishmal Aftab	BS Psychology	25th Feb 2025	All Karachi Literature Festival	Arts and Culture Society, University of Karachi	Participation
Ishmal Aftab	BS Psychology	24th April 2025	Karachi University Model Parliament	Karachi University Debating Society	Participation
Almash	PharmD	25-02-2025	8th DUHS-DICE Health Innovation Exhibition.	DUHS.	Certification
Almash	PharmD	09-11-2024	21st International Conference on Statistical Sciences	DUHS and Baqai Medical University.	Certificate of Volunteering
Almash	PharmD	25 till 29 09-2024	10th International Youth Conference.	International Youth Summit, New York.	Certification
Almash	PharmD	01-12-2024	Medical Camp 2024.	Infection Prevention and Control Department.	Certification
Almash	PharmD	20 till 22 -11-2024	Medical Content writing course.	RX Connect.	Certification
Almash	PharmD	03-06-2025	All Pakistan Grand Quiz of Physiology.	MedGalaxy Pvt Ltd.	Certification
Almash	PharmD	03-05-2024	Coach me Confidence Workshop.	Cultural Exchange Society and Inspiring Women Pakistan.	Certification
Aiman	PharmD	24-09-2024	World Pharmacist Day 2024.	Dow College of Pharmacy.	Certification
Aiman	PharmD	25-02-2025	8th DUHS-DICE Health Innovation Exhibition	DUHS.	Winner of the Special Cash Prize
Aiman	PharmD	27-02-2025	Hult Prize	DUHS.	Certification
Azka	PharmD	24-09-2024	World Pharmacist Day 2024.	Dow College of Pharmacy.	Certification

Azka	PharmD	25-02-2025	8th DUHS-DICE Health Innovation Exhibition.	DUHS.	Winner of the Special Cash Prize.
Azka	PharmD	27-02-2025	Hult Prize	DUHS.	Certification
Kashaf Abid	PharmD	25-02-2025	8th DUHS-DICE Health Innovation Exhibition.	DUHS	Certification
Rohab Shahzad Ali	PharmD	25-02-2025	8th DUHS-DICE Health Innovation Exhibition.	DUHS.	Certification
Tasbiha Shahid	PharmD	25-02-2025	8th DUHS-DICE Health Innovation Exhibition.	DUHS.	Certification
Lahin Nadeem	Pharm D	25-02-2025	8th DUHS-DICE Health Innovation Exhibition.	DUHS.	Certification
Lahin Nadeem	Pharm D	24-09-2024	World Pharmacist Day 2024.	DUHS.	First Prize Winner
Kalpana Kumari	PharmD	22-12-2024	University literary Society	DUHS	Certification

Students Achievements in Scientific Events

1. **HACCP invited lecture on 16th January by School of Public Health students**




2. **Internal Audit to FSSC v6.0 training by International Services of Compliance (ISC) on 22nd February 2025**




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CHAPTER 12

FINANCE

12.1 Financial Year at a Glance (2024–2025)

The financial year 2024–2025 was marked by strong fiscal discipline and strategic financial stewardship at Dow University of Health Sciences (DUHS). The University successfully executed its budget across all departments, aligning expenditures with institutional priorities in healthcare, education, and research. Emphasis was placed on revenue diversification, cost optimization, and transparent reporting, reflecting DUHS's commitment to accountability and sustainable growth. Prudent financial planning and proactive risk management supported resilience and long-term stability.

In line with directives from the Office of the President of Pakistan and the Higher Education Commission, DUHS has implemented Microsoft Dynamics 365 ERP. This robust solution strengthens financial management systems by ensuring timely, accurate reporting, enhancing internal controls, and improving operational efficiency. The transition to ERP reflects DUHS's focus on innovation, governance, and financial sustainability, enabling informed decision-making and supporting the University's mission to deliver excellence with fiscal responsibility.

DOW UNIVERSITY OF HEALTH SCIENCES

Finances & KPIs

Final Demand Budget Estimates (2024-2025)

In Rupees (PKR) Millions

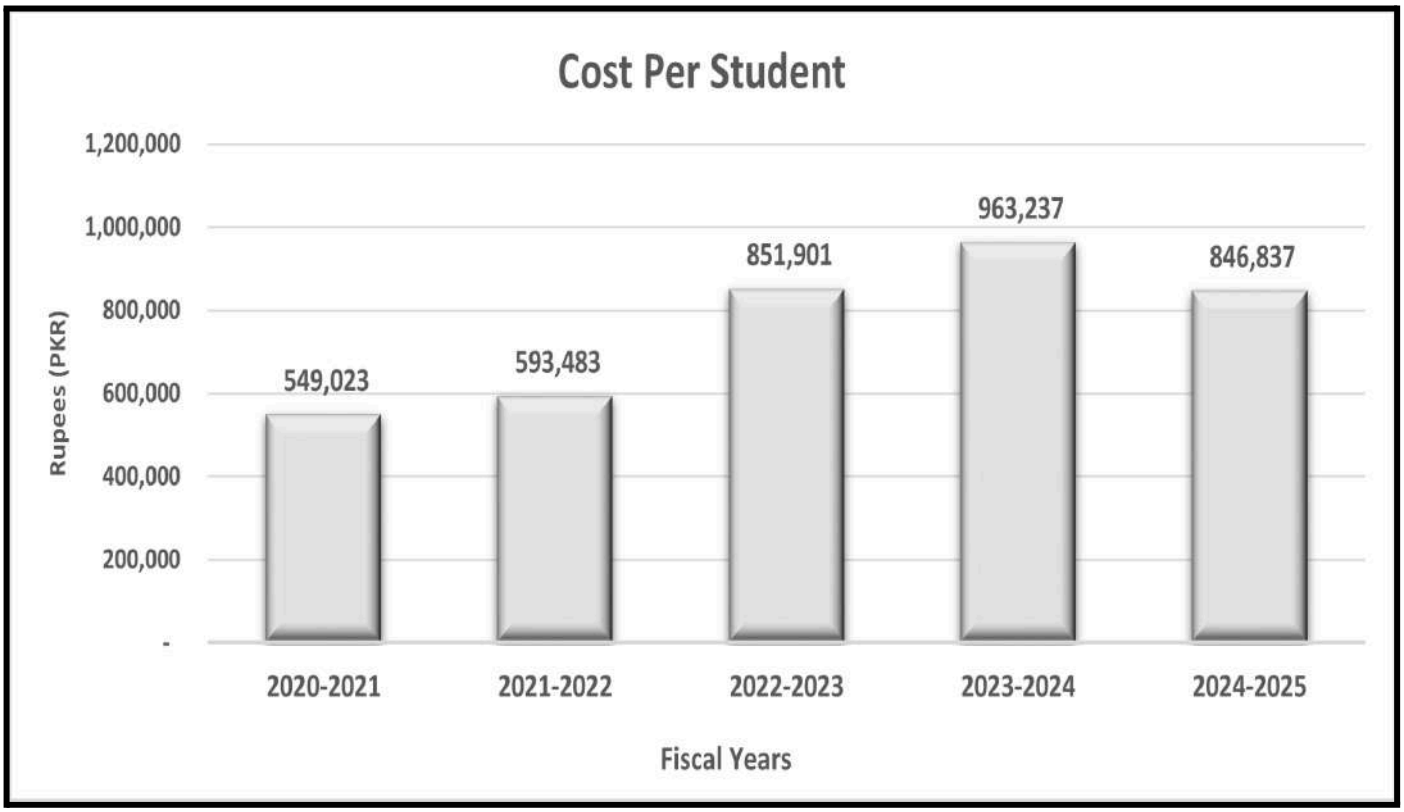
Receipts		
Total Recurring Grants	1,719.91	
Total Own Resources	5,431.20	
Total Available Resources		7,151.11
Expenditures		
Total Establishment Charges	3,778.52	
Total Non Salary Expenses	2,957.23	
Total Expenditures		6,735.75
Surplus / (Defecit)		**415.36**

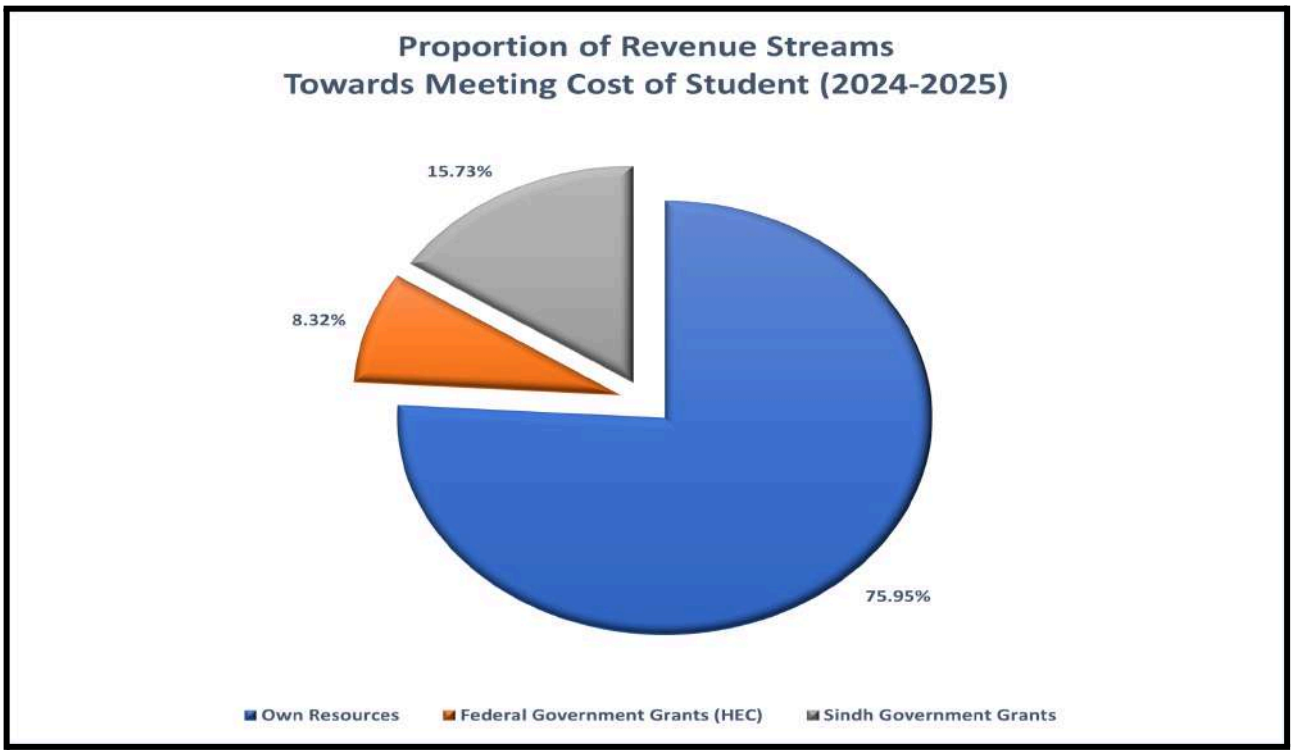
DOW UNIVERSITY FUNDS

(2024-25)

In Rupees (PKR) Millions

No.	Head of Investment	Principal Amount
1	Benevolent Fund	130.48
2	GP Fund	749.27
3	Endowment Fund	970.00
4	Pension Fund	1,878.36
	Total	**3,728.10**




Proportion of Revenue Streams
Towards Meeting Cost of Student (2024-2025)
15.73%
8.32%
75.95%
Own Resources
Federal Government Grants (HEC)
Sindh Government Grants

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CHAPTER 13

UNIVERSITY GOVERNANCE

The Governance mechanism of the University is strong with regular meetings of the statutory bodies, as listed below.

13.2. SYNDICATE MEETINGS:

108th meeting of Syndicate held on Saturday, 19th April, 2025
107th meeting of Syndicate held on Saturday, 1st March, 2025
106th meeting of Syndicate held on Monday, 30th December, 2024
105th meeting of Syndicate held on Saturday, 23rd November, 2024
104th meeting of Syndicate held on Thursday, 19th September, 2024
103rd meeting of Syndicate held on Thursday, 22nd August, 2024

13.3. ACADEMIC COUNCIL MEETINGS:

32nd Meeting of Academic Council held on Tuesday, 15th April, 2025
31st Meeting of Academic Council held on Tuesday, 24th December, 2024
30th Meeting of Academic Council held on Tuesday, 8th October, 2024

13.4. BOARD OF ADVANCED STUDIES AND RESEARCH MEETINGS:

75th meeting of the Board of Advanced Studies and Research held on 11th Nov, 2024
74th meeting of the Board of Advanced Studies and Research held on 19th October, 2024.

13.5. SENATE MEETING

10th Meeting of the Senate held on 26th September, 2024

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CHAPTER 14

RESOURCE GENERATION/ ALUMNI, MARKETING & COMMUNICATION

14.1 Department of Alumni, Marketing, and Communications.

Established just two years ago, the Department of Alumni, Marketing, and Communications has rapidly become central to DUHS operations. Initially built with a small team, it now supports marketing for the university, hospital, and internal departments while fostering alumni engagement. By linking past, present, and future through communication, strategic promotion, and collaboration, the department has evolved into a cornerstone for institutional growth and success.

14.2 Market Analysis

Fundraising targets include alumni, businesses, and individuals committed to education and healthcare. With a strong alumni base and established ties to corporate and philanthropic organizations locally and abroad, DUHS is well-positioned to secure meaningful partnerships and sustained donor engagement.

14.3 Marketing Strategy of DUHS.

A dual online–offline strategy strengthens outreach. Online tools include social media, email, SMS, and the DUHS website, while offline channels focus on alumni events, community outreach, and corporate collaborations. A donor database personalizes communication, tailoring appeals to donor preferences and improving fundraising effectiveness

14.4 Revenue Model.

Revenue generation is built on donations from individuals, businesses, and philanthropic groups. Donors receive recognition, including naming rights for buildings and programs, reinforcing a culture of appreciation and long-term commitment to DUHS.

14.5 Marketing via Social Media and SMS.

The department actively promotes alumni achievements, events, and institutional milestones through targeted social media and SMS campaigns. This approach strengthens alumni connection, boosts event participation, and fosters community belonging. A mix of event management, advertising, and engaging content enhances DUHS's visibility and alumni ties.

Activities of Zakat (July 2024 – June 2025)

The Department of Alumni, Marketing, and Communication has successfully executed a multi-platform fundraising strategy, engaging alumni, corporations, and the broader community to support DUHS's mission in healthcare and education. Initiatives included dedicated online portals, SMS and WhatsApp campaigns, social media outreach, on-campus kiosks, flyers, banners, radio advertisements, and high-visibility public engagement activities.

Between July 2023 and June 2025, these efforts generated significant contributions from both Zakat and general donations. All funds are monitored by the Welfare Committee and undergo regular external audits to ensure transparency, accountability, and proper utilization. These results demonstrate DUHS's commitment to building sustainable financial support while fostering strong community and donor engagement.

Category	Period	Amount (Rs.)	Description of Zakat Funds Generated
Zakat Contributions	Jul 2024 – Jun 2025	16,645,720	Multi-platform campaign including online portal, SMS/WhatsApp, social media, kiosks, flyers, radio, leadership video appeals
General Donations	Jul 2024 – Jun 2025	4,058,035	Public engagement, online portal, flyers, newspaper ads, banners, digital campaigns
Zakat Contributions	Jul 2023 – Feb 2024	1,644,939	Early FY 2023–24 collection
General Donations	Jul 2023 – Feb 2024	744,893	Early FY 2023–24 collection
Total Funds Raised	Jul 2023 – Feb 2024	2,389,778	Combined Zakat and general donations for first part of FY

14.6 Zakat Contributions (July 2024 – June 2025).

Zakat fundraising raised Rs. 16,645,720 through a multi-platform campaign. Efforts included a dedicated online portal, WhatsApp and SMS outreach to 50,000+ recipients, social media, on-campus kiosks, flyers, and radio advertisements. A digital video appeal by DUHS leadership added credibility, ensuring strong community response.

14.7 General Donations (July 2024 – June 2025).

Beyond Zakat, DUHS raised Rs. 4,058,035 in general donations during the same period. Strategies included an online donation portal, flyer distribution, newspaper advertisements in Dawn and Jang, in-house banners, kiosks, and sponsored digital campaigns. These initiatives highlighted DUHS's healthcare services and impact, aligning with the University's Vision of attracting diverse philanthropic support.

14.8 Sponsorships

A landmark sponsorship agreement was signed with Careem, under which DUHS buses will feature co-branding (50% DUHS and 50% Careem), valued at approximately Rs. 3 million. This initiative enhances DUHS's visibility through mobile branding while opening avenues for indirect fundraising and public engagement. The department is actively pursuing similar collaborations with alumni-led businesses, corporates, and healthcare brands to strengthen CSR-driven sponsorships and joint promotional campaigns that align with DUHS's mission.



Summary of Fundraising and Financials: Zakat , Donations and Resource Development



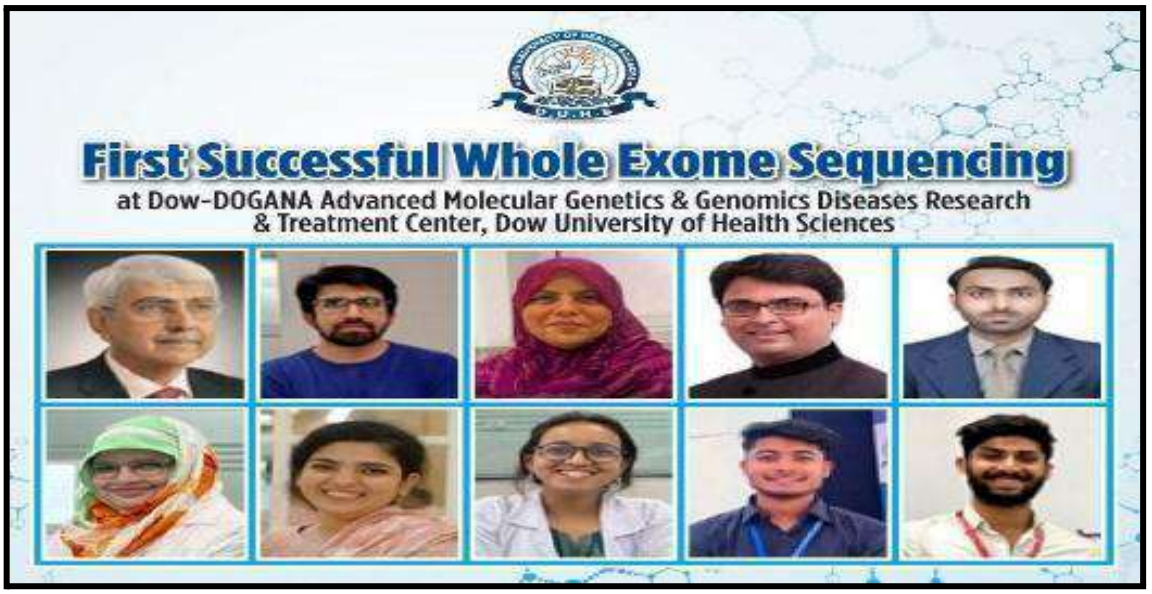
14.9 Financials: Resource Generation and Development

The Department of Alumni Marketing and Communication opted for a 360-marketing strategy to create awareness among donors and corporations and requested them from time to time to support the noble mission of Dow University of Health Sciences. From July 2023 till February 2024, we have raised Zakat Rs.1,644,939 Donation Rs.7,44,893 which sums up to a total of Rs.2,389,778/-The contribution made by DUHS's generous donors and supporters will be supervised by our welfare committee.

14.10 Alumni Engagement and Reunion Activities

During the fiscal year 2024–25, the Department initiated and executed several impactful programs to strengthen alumni relations, enhance visibility, and support resource generation. Key initiatives include:

I. **First Successful Whole Exome Sequencing at Dow-DOGANA (Dow Graduates Alumni Association of North America) Advanced Molecular Genetics & Genomics Diseases Research & Treatment Center, Dow University of Health Sciences Official.**



II. **ALUMNI MEET 2024: A Testament to IBHM's Legacy of Excellence: Organized by the Placement Department of Institute of Business and Health Management (IBHM) on 14th December 2024, this prestigious event brought together our distinguished alumni, who have made a profound impact in their respective fields. The evening was filled with captivating success stories, shared by our honorable alumni, each of whom has navigated their unique journey to achieve remarkable success.**



III. **Match 2024 - DUHS Alumni Shining: Alumni from Dow University of Health Sciences who Matched into residency programs in the USA.**



IV. **DUHS AND APPNA COLLABORATE TO LAUNCH DOW-APPNA CENTER FOR EMERGING TECHNOLOGIES The APPNA Winter CME Program, held on December 21, 2024, at Muin Auditorium of Dow Medical College, was a resounding success. The event was a remarkable convergence of knowledge, networking, and opportunities for aspiring medical professionals.**

V. **A Memorable Evening at Sindh Governor's House: A Memorable Evening at Sindh Governor's House. The DUHS APPNA Gala Dinner "Winter Meeting 2024", held at the prestigious Sindh Governor's House, Karachi, on Saturday, December 21, 2024, was a resounding success.**



The event began at 6:30 PM, and His Excellency, Mr. Muhammad Kamran Khan Tessori, Governor of Sindh, graced the occasion as the Chief Guest. The evening commenced with the recitation of the Tilawat and the National Anthem, followed by insightful speeches from distinguished leaders.

Key figures in the evening program were:

- **Mr. Muhammad Kamran Khan Tessori, Governor of Sindh**
- **Prof. Mohammed Saeed Quraishy, T.I, Vice Chancellor, DUHS**
- **Dr. Kaiser Waheed – CEO Medisure Laboratories Pakistan**
- **Prof. Dr. Nazli Hossain, Pro-Vice Chancellor, DMC, DUHS**
- **Prof. Dr. Jahan Ara Hassan, Pro-Vice Chancellor, DUHS, and Medical Superintendent, DUH, Ojha**
- **Dr. Ashar Afaq, Registrar, DUHS**
- **Prof. Dr. Saba Sohail, Principal, Dow Medical College, DUHS**
- **Dr. Asif Mohiuddin, President, APPNA**
- **Dr. Saeed Sabir, Chair, APPNA**
- **Dr. Rizwan Naeem, Secretary, APPNA**
- **Prof. Dr. Naseem Ahmed – Co-Chair, APPNA**

The evening featured the presentation of memento and DUHS Faculty Awards. The program concluded with a delightful dinner and a soulful Qawwali Night that left attendees captivated.

VI. **Career Fest 2024-25 at Wales College: On 1st October 2024, the Institute of Business and Health Management (IBHM), DUHS, proudly represented Dow University of Health Sciences (DUHS) at Career Fest 2024-25, offering career guidance and counseling to the aspiring students of Wales College.**

VII. **ANF Anti-Drug Awareness Session at DUHS: The Anti-Narcotics Force (ANF) led an awareness session on 2nd October 2024 at Dow University of Health Sciences (DUHS), Ojha Campus. The session aimed to educate students and staff about the dangers of drug abuse, enhanced by a thought-provoking short play performed by the Dow Patient Care Association (DPCA). The DPCA team includes: Syeda Tahiya Shah – President; Haadia Waheed – Vice President; Hasan Imran – Joint Secretary; Abdul Wahid Kasi – Head of Welfare; Abdul Aziz – Chief Technical Officer (CTO); Mustafa Siddiqui – Treasurer; team members include Shariq Fatima, Sharqah Fatymah, Preh Jahan, Sarfaraz Khakwani and Laiba Zaidi.**



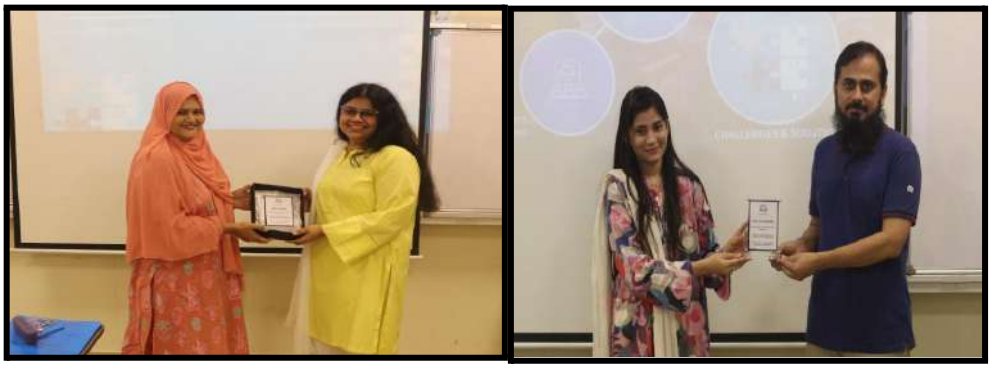
VIII. **DUHS at the 21st Health Asia International Exhibition & Conferences: DUHS showcased innovations from its leading departments, including the Dow Diagnostic Research & Reference Laboratory (DDRRL), Dow Institute of Radiology (DIR), Dow Institute of Biological, Biochemical & Pharmaceutical Sciences (IBBPS), Dow Institute of Life Sciences (DILS), Dow Skills Development Centre (DSDC), Dow Institute for Advanced Biological and Animal Research (DIABAR), Dow Dental College (DDC), Dow International Dental College (DIDC), and Dr. Ishrat-ul-Ebad Khan Institute of Oral Health Sciences (DIKIOHS).**



IX. **Department of Alumni, Marketing, and Communications, DUHS Partners with MediaMix Advertising and Marketing (Company Owned by DUHS Alumni): Dow University of Health Sciences' Alumni, Marketing, and Communications**

Department has partnered with MediaMix Advertising and Marketing, a firm owned by a DUHS alumnus. The collaboration aims to enhance alumni communication, engagement, and networking by leveraging MediaMix's expertise. This partnership strengthens ties within the DUHS alumni community, supports the university's outreach efforts, and highlights the professional success of its graduates.

X. **IBHM Placement Department conducted the Alumni Mentoring Session, featuring esteemed alumni Miss Umaina (HR Executive at AlKaram Textile) and Miss Faiza Raheem (HR Executive at Avari Towers Hotel, Karachi). Their expert insights on "Training and Development as a Career" and "Performance Management" inspired our students, cultivating a culture of excellence. We sincerely thank our distinguished alumni for sharing their valuable time and expertise.**



14.11. Future Plans For Development- ALUMNI

To further strengthen alumni engagement and resource generation, the following initiatives are planned:

I. **Launch of a DUHS Alumni Portal with updated profiles, networking features, and integrated online donation options.**
II. **Digital fundraising and zakat campaigns, highlighting student scholarships, healthcare sponsorships, and research support.**
III. **Annual Alumni Gala and Networking Events to recognize contributions, encourage giving, and build long-term engagement.**
IV. **Partnerships with alumni-owned companies for sponsorships, signages, and collaborative development projects.**
V. **Mentorship & Career Support Programs linking alumni with current students and young graduates.**
VI. **DUHS Alumni App is in process, it will enable graduates to keep connected, informed, and engaged with their alma mater.**

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CHAPTER 15

HEALTH CENTRE/MEDICAL FACILITIES

15.1. MEDICAL FACILITIES OF DOW UNIVERSITY OF HEALTH SCIENCES

Dow University Health System is one of the largest and most comprehensive providers of tertiary care in the region. Anchored by Dow University Hospital, it includes institutes and centers for radiology, diagnostics, chest diseases, behavioral sciences, rehabilitation, diabetes, liver & GI, and blood diseases.

15.1 Dow University Hospital

Established in 2009 with over 500 beds, DUH is a teaching hospital for students across medicine, dentistry, nursing, pharmacy, and allied health sciences. It provides affordable tertiary care, training opportunities, and advanced medical and surgical services including liver, kidney, and bone marrow transplantation. Between July 1, 2024, and June 30, 2025, DUHS conducted 15 bone marrow transplants, 76 renal transplants, and 45 liver transplants.

15.2 Specialized Units and Services

Located primarily at the Ojha Campus, facilities include:

- **Renal & Liver Transplant Units**
- **Dow Institute of Radiology & Diagnostic Labs**
- **Oncology, Behavioral Sciences, and Diabetes Institutes**
- **Dental OPDs and Surgical Sections**
- **Emergency Department (24/7) & Operation Theaters**

Service Areas within Dow University- OJHA campus are:
• Dow University Hospital (DUH)
• Dow Institute of Radiology (DIR)
• Comprehensive Cancer Center & Gamma Knife Radiosurgery Center
• Dr. Abdul Qadeer Khan Institute of Behavioral Sciences
• National Institute of Diabetes And Endocrinology (NIDE)
• Dow Diagnostic Research & Reference Laboratory (DDRRL)
• National Institute Of Liver And Gastrointestinal Diseases With Liver Transplant Unit (NILGID)
• Dental Sections, DIMC & DDC (With 10 Units For Oral & Maxillo-Facial Surgical Procedures) & Dental OPD Of DIKIOHS
• Trauma and Emergency

In-patient Departments- IPD of the Dow University Hospital

Surgical	Medical	Pediatrics
E.N.T	Dialysis	Psychiatry
Orthopedic	Gynae / Obs	Ultrasound/ VIR

Critical care Units of the Dow University Hospital

EEG	CTG	VEP	EMG / NCV
G.A Fitness	Labor Room	Surgical ICU (06 Bed)	Dialysis lab (Newly built)
Medical ICU (11 Bedded)	Neonatal ICU (06 Incubators)	Operation Theater (04 O.T Tables)	Emergency Department (15 monitored Bed)
Pulmonary Function Test	Sleep Lab (Polysomnography)	Fully equipped 24 hours running ER including separate minor O.T, Ultrasound & X Ray.	

15.3 Pharmacy & Vaccination Services

DUHS pharmacies provide inpatient, outpatient, and walk-in services six days a week. Vaccination services are offered free under the National EPI program.

15.4 Physical Therapy & Rehabilitation

Comprehensive physiotherapy and rehabilitation services are available for inpatients and outpatients, including cardiac, neurological, musculoskeletal, and pediatric care.

15.5 Critical & Inpatient Care

Facilities include specialized ICUs (Medical, Surgical, Neonatal), HDUs, dialysis services, labor rooms, and a fully equipped ER with radiology and surgical support.

15.6 Dow Diagnostic Research & Reference Laboratory (DDRRL)

Founded in 2007, DDRRL provides high-quality diagnostic services at affordable rates with electronic reporting and international quality assurance.

15.7 Radiology Services

Modern diagnostic imaging includes X-rays, CT, MRI, ultrasound, mammography, fluoroscopy, echocardiography, and DEXA scans.

15.8 Operation Theater (OT) Complex

A purpose-built 80,000 sq. ft. facility with nine modern theaters for transplant, cardiac, orthopedic, and other major surgeries. Equipped with advanced monitoring, recovery rooms, and live telecasting facilities for training.

15.9 Blood Transfusion Services

DUHS runs safe blood donation and transfusion programs aligned with WHO standards, promoting voluntary blood donation and ensuring supply for high-demand patients, including those with cancer and chronic illnesses.

15.10 OJHA Institute of Chest Diseases (OICD)

Recognized by WHO as a center of excellence for tuberculosis, OICD, a 250 bedded hospital, provides free diagnosis and treatment, including MDR-TB care. Four community chest clinics extend outreach across Karachi.

OICD was established in the early forties, as a TB sanatorium and now recognized as a center of excellence for Tuberculosis by the World Health Organization (WHO). The services provided here are free of cost and normally such types of ICU services cost around Rs. 20,000 - Rs. 50,000 / day in private hospitals.

Four out-patient clinics of OICD in the periphery of the city are also functioning, these are chest clinics of Iqbal Yad, Nazimabad, Lyari and Malir, Each clinic has a well-organized DOT (Directly Observed Treatment), where these patients with TB are provided medicines and health education.

15.11 Dow Comprehensive Cancer Center:

Dow University Hospital has expanded its Medical Oncology Department into the *Comprehensive Cancer Center*, one of the region's most advanced cancer care facilities. The centerpiece is a 50-bedded chemotherapy day care unit with private and semi-private infusion rooms, supported by a dedicated oncology pharmacy equipped with biosafety cabinets and temperature-controlled storage for chemotherapy, targeted therapy, and immunotherapy. Academic strength is maintained through journal clubs and multidisciplinary tumor boards, ensuring evidence-based, patient-centered care.

The *Radiation Oncology Department* introduced Pakistan's first MR-LINAC system, integrating MRI with a linear accelerator for real-time imaging during therapy. This technology enables adaptive daily treatment, delivering radiation with greater precision, reducing side effects, and improving outcomes.

The *Department of Nuclear Medicine and Theranostics* at the Ojha Campus is among the nation's leading facilities, equipped with PET/CT, dual-head SPECT gamma cameras, and a soon-to-be-installed Cyclotron for in-house tracer production. A Theranostic suite with CCTV and two-way communication ensures safety and efficiency, while a paperless automated system—the first in Pakistan—tracks patients and radiotracer doses with precision.

Supported by neurosurgeons, oncologists, nuclear physicians, pharmacists, and allied staff, the center employs a multidisciplinary approach, positioning DUHS as a leader in advanced cancer care and research.

15.12 Dow Care App:

Available at: https://play.google.com/store/apps/details?id=com.dowcareapp and the App Store: https://apps.apple.com/pk/app/dow-care/id6453471225.

DUHS has launched the Dow Care Application, a comprehensive digital platform that simplifies healthcare access by bringing multiple services together in one place. The app allows patients to securely manage their information, view service rates, and access medical records with ease. It also offers convenient features such as online appointment booking, home sampling for lab tests, and integrated healthcare support,

ensuring seamless coordination between patients, providers, and hospital services. Designed to enhance convenience, transparency, and efficiency, the Dow Care Application serves as a one-stop solution for modern, patient-centered healthcare.



15.13 Employee Health Insurance

DUHS provides comprehensive inpatient and outpatient insurance coverage for over 19,000 employees and dependents through Adamjee Takaful. Benefits include hospitalization, maternity care, daycare surgeries, specialized investigations, and emergency treatment.

15.14 Dow Institute of Life Sciences (DILS)

DILS, a licensed biopharmaceutical facility approved by DRAP, specializes in vaccines, antisera, and biotech products. It produces the anti-rabies vaccine *DOWRAB*, with future plans for anti-snake venom and sera. Equipped with R&D and QC labs, DILS is expanding through registrations, exports, and industry collaborations.

DOW UNIVERSITY OF HEALTH SCIENCES

DUHS

ANNUAL STANDARDIZED REPORT

2024-25

CHAPTER 16

SUSTAINABILITY

16.1 GOOD HEALTH & WELL BEING - SDG 03

Global & National Collaborations

Dow University of Health Sciences (DUHS) partners locally, nationally, and internationally to improve health and wellbeing. Globally, it hosts a WHO Collaborating Centre for TB Research at Ojha Institute of Chest Diseases and holds United Nations Academic Impact (UNAI) membership (since April 2020), committing to UN principles including human rights, sustainability, global citizenship, higher education access, poverty reduction, and peace promotion.

Community Outreach Programs (2024–2025) Summarized:

The Department of Community Medicine, Dow Medical College (DMC) conducted extensive field visits, awareness sessions, seminars, and technical meetings to strengthen public health.

Key activities included:

1. **Field visits with 1st year MBBS students to rabies, immunization, family planning, and public health centers (April 2025).**
2. **National & provincial seminars/conferences on immunization, breastfeeding, polio eradication, and primary healthcare.**
3. **Media engagement (Hum TV, Hum News, FM 88.6) to promote public health awareness.**
4. **International representation, e.g., NITAG meeting in Tunisia and Technical Advisory on Polio in Afghanistan.**
5. **World Immunization Week 2025 – week-long student, faculty, and community sessions, awareness walks, and lectures.**
6. **Collaborations with WHO & government bodies – Pakistan Health System Review, WHO TAG Meeting, and multiple technical working groups.**

16.1 Community Outreach Programs:

Department of Community Medicine, Dow Medical College (DMC)

The Department of Community Medicine, DMC organized various outreach and awareness sessions for the community. Below is the event calendar hosted by the Community Medicine Department during 2024-2025:

Community Activities of Community Medicine Department, Dow Medical College				
S.No.	**Date(s)**	**Name of Faculty**	**Event/Course**	**Venue**
1	24-04-2025	Dr. Khalid Shafi, Dr. S.M Ashraf Jahangeer, Dr. Gati Ara, Dr. Lubna Raza, Dr. Javeria, Dr. Mustafa, Dr. Safia	Field Visit with first year MBBS students	Rabies Vaccine Center, Public Health School, EPI Center, Family Planning Center, Dr. Ruth K Pafu Civil Hospital, Khi.
2	25-04-2025	Dr. Khalid Shafi, Dr. S.M Ashraf Jahangeer, Dr. Gati Ara, Dr. Lubna Raza, Dr. Javeria, Dr. Mustafa, Dr. Safia	Field Visit with first year MBBS students	Rabies Vaccine Center, Public Health School, EPI Center, Family Planning Center, Dr. Ruth K Pafu Civil Hospital, Khi.
3	25-04-2025	Dr. Khalid Shafi, Dr. S.M Ashraf Jahangeer, Dr. Gati Ara, Dr. Lubna Raza, Dr. Javeria, Dr. Mustafa, Dr. Safia	Field Visit with first year MBBS students	Rabies Vaccine Center, Public Health School, EPI Center, Family Planning Center, Dr. Ruth K Pafu Civil Hospital, Khi.
4	26-04-2025	Dr. Khalid Shafi, Dr. S.M Ashraf Jahangeer, Dr. Gati Ara, Dr. Lubna Raza, Dr. Javeria, Dr. Mustafa, Dr. Safia	Field Visit with first year MBBS students	Rabies Vaccine Center, Public Health School, EPI Center, Family Planning Center, Dr. Ruth K Pafu Civil Hospital, Khi.
5	22-07-2024	Dr. M. Khalid Shafi	Technical Working Group Inception Meeting	Meeting Hall EPI, Sindh
6	07-08-2024	Dr. M. Khalid Shafi	Provincial Advocacy & Sensitization Seminar	Hotel Avari Tower, Karachi
7	20-08-2024	Dr. M. Khalid Shafi	NITAG Meeting on Measles-Rubella	Islamabad, Pakistan
8	27-07-2024 to 28-07-2024	Dr. M. Khalid Shafi	Pediatric Conference	Movenpick Hotel, Karachi
9	31-10-2024 to 02-11-2024	Dr. M. Khalid Shafi	Biennial International Conference as Speaker/Faculty	Pearl Continental Hotel, Lahore
10	18-10-2024	Dr. M. Khalid Shafi	Live Segment in SSA	Hum TV, Karachi

11	09-09-2024 to 12-09-2024	Dr. M. Khalid Shafi	New Vaccine Introduction and NITAG Meeting	Secretariat Capacity Building, Tunis, Tunisia
12	31-10-2024	Dr. M. Khalid Shafi	Live Segment in SSA	Hum TV, Karachi
13	11-12-2024 to 12-12-2024	Dr. M. Khalid Shafi	RMNCAH Technical Working Group Meeting	Western Hotel, Islamabad
14	Not specified	Dr. M. Khalid Shafi	Sindh Breastfeeding Promotion & Protection Act Awareness Seminar	School of Public Health, DUHS, Karachi
15	20-01-2025 to 24-01-2025	Dr. M. Khalid Shafi	Technical Advisory on Eradication of Poliomyelitis	Afghanistan
16	25-01-2025	Dr. M. Khalid Shafi	PPA Media Briefing on Breastfeeding Act	Karachi Press Club
17	31-01-2025	Dr. M. Khalid Shafi	Let's Make Pakistan a Safe Place for Our Children	Hum News Digital
18	13-03-2025	Dr. M. Khalid Shafi	Improving Immunization Coverage & VPD Surveillance	Pediatric Ward, Civil Hospital, Karachi
19	03-02-2025	Dr. M. Khalid Shafi	Breastfeeding Promotion for "SARIF KI AWAZ"	Sindh Police FM88.6, Garden HQ, Karachi
20	27-02-2025	Dr. M. Khalid Shafi	Baby Friendly Hospital Initiative	Sindh Institute of Child Neonatology, Karachi
21	16-04-2025	Dr. M. Khalid Shafi	National Symposium on Primary Health Care	Aga Khan University, Karachi
22	21-04-2025	Dr. Khalid Shafi, Prof Amanullah Lail, Dr Abid Hussain, Dr Ashraf Jahangir, Dr Tariq Masood	World Immunization Week 2025 – Session	Ruth Pfue CHK DMC
23	22-04-2025	Dr. Khalid Shafi, Prof Yousuf Yahya, Sukaina	Awareness Session with Faculty & Students (World Immunization Week Day 2)	Ojha Campus, DIMC
24	23-04-2025	Dr. Khalid Shafi, Prof Waseem Jamalvi, Dr Ashraf Jahangir	Session with 3rd Professional MBBS Students (Day 3)	Anatomy Hall DMC, DUHS
25	24-04-2025	Dr. Khalid Shafi, Prof Waseem Jamalvi, Dr Ashraf Jahangir	Immunization Awareness Walk (Day 4)	DMC and CHK

26	25-04-2025	Dr. Khalid Shafi, Prof Waseem Jamalvi, Dr Ashraf Jahangir	Immunization Week – Day 5	Arag Hall, DMC, DUHS
27	29-04-2025 to 30-04-2025	Dr. M. Khalid Shafi	Pakistan Health System Review Mission	WHO Office, Islamabad
28	26-05-2025	Dr. M. Khalid Shafi	Orientation Session on BFHI Self-Appraisal	IQRA SICHN, Karachi
29	24-06-2025 to 26-06-2025	Dr. M. Khalid Shafi	WHO TAG Meeting	Islamabad, Pakistan

Community - Based Dental Services and Programs

1. **Community Development Focus**

   DUHS community dental programs emphasize co-creation of awareness initiatives, outreach clinical services, and empowerment of underserved groups. Target populations include mothers, children, and individuals with chronic diseases (diabetes, cardiovascular conditions). The goal is to promote integrated care and contribute toward the Sustainable Development Goals (SDGs).

2. **Dow Dental College Visit – Government Boys Secondary School (19th Dec 2024)**
   Faculty members (Dr. Muhammad Taqi, Dr. Mona Shah, Dr. Amber Saeed) and 3rd-year students conducted an oral health program for 200 children (ages 10–14) at Kotwal Building School.

- **Activities: dental screenings, oral health education, personalized advice, parental notes, and hygiene demonstrations.**
- **Findings: Common issues included dental caries, discoloration, and calculus.**
- **Reinforcement: distribution of toothbrush + toothpaste kits to encourage sustained oral hygiene.**
- **Impact: highlighted school-based promotion as a cost-effective way to reduce dental disease risk and instill lifelong health practices.**



3. Dow Dental College–DIL School Partnership (21st Aug 2024)

The Dow Dental College Student Federation (DDCSA), supported by the Community Dentistry faculty, organized a dental awareness and check-up event at DIL School, Orangi Campus.

- **Background: DIL operates 191 schools nationwide, serving 61,000 students from underserved communities.**
- **Activities: workshops on proper brushing and flossing, interactive sessions, and personalized dental check-ups.**
- **Participation: ~200 students actively engaged in the program.**
- **Response: highly positive feedback from students, staff, and Principal Ms. Nabeela Hassan, who emphasized the long-term benefits of collaboration.**
- **Future: DDC and DIL committed to expanding the partnership to strengthen school-based oral health promotion.**





4. Raana Liaquat Public School (30 Jan 2025)

Supervised by Dr. Taqi & Dr. Adnan, 300 students participated in awareness sessions, dental check-ups, and hygiene demonstrations. The initiative received excellent feedback and will continue.

The dental health event focused on instilling good oral hygiene habits among students. The program emphasized the importance of oral health, demonstrated proper brushing and flossing techniques, and addressed existing dental concerns.

The event featured interactive sessions where 300 students actively engaged with dental care concepts through captivating presentations and hands-on activities. Free dental check-ups offered valuable insights into the students' oral health status and provided personalized guidance for maintaining good oral hygiene.

The response from both students and staff was overwhelmingly positive. Dr. Hira Warsi, a representative from RLPS, expressed her appreciation, stating, "We are thrilled to collaborate with DDC on this important endeavor. The knowledge and care provided during this event will undoubtedly leave a lasting impact on our students and their families."

Looking ahead, the Community Dentistry Department at Dow Dental College remains committed to expanding such collaborations to reach more students. Their shared goal is to ensure that more children receive essential oral health education and resources to foster long-term health and well-being.





5. SAJ Academy (27 Jul 2024)

A team visit led by Dr. Adnan & Dr. Amber to SAJ Academy led to dental check-ups, which revealed a high prevalence of caries.

During the visit, comprehensive dental check-ups were conducted, with a particular focus on identifying common dental conditions such as dental caries. The

examinations revealed a notable prevalence of caries, highlighting the urgent need for increased awareness and preventive care within the community.

In addition to clinical assessments, the team provided oral health education sessions, emphasizing proper brushing techniques, the importance of routine dental visits, and dietary habits to prevent tooth decay. To reinforce these lessons and empower students with the tools to maintain good oral hygiene, dental kits containing toothbrushes and toothpaste were distributed to all participating children.

This outreach initiative at SAJ Academy reflects the Faculty of Community Dentistry's ongoing commitment to public health and community service. By delivering preventive education and accessible dental care, the faculty continues to address oral health disparities and contribute to the long-term well-being of underserved populations.



6. Central Jail Karachi (Jan–Feb 2025)



In collaboration with jail authorities, faculty trained inmates to assist in dental services including extractions, ART fillings, and hygiene monitoring. Dental assistance was provided by the inmates to the dentist to perform tooth extractions, impacted tooth extractions and root canal procedures.

Basic dental fillings using ART procedures and scaling were provided by our dental hygienists.

Other jail inmates were involved in dental recording, monitoring, follow-up visit reminders to the other fellow inmates and delivery of self-care oral hygiene and post-op instructions.

The team was led by Chairperson Community Dentistry – Prof. Dr. Ambrina Qureshi, along with the Registrar Dr. Ashar Afaq and faculty members Dr. Qaiser Ali Baig and Dr. Mustafa Naseem with members including Dr. Rida Batool, Dr. Ather Khan (Masters Trainee) and Dental Hygienists- Mr. Habib Shah and Ms. Misbah Noor from School of Dental Care Professionals.

7. Primary School Screening (26 Feb 2025)

At Metropolitan Academy, 103 children were screened for oral/dental abnormalities. A multidisciplinary team (Dentistry + Physiotherapy, Ziauddin University) also assessed speech articulation issues.



The Physiotherapy Department of Ziauddin University also collaborated where the speech psychologist assessed the abnormality in speech articulation of these children. This one-day screening visit was organized on February 26, 2025 led by the anatomist and the oral anatomists including Dr. Uzma Hameed, Dr Jaweriah Khan, Dr Atif, and Dr Bushra. The children (n=103) were approached through the Metropolitan Academy School (Gulshan campus) administration.



8. Cerebral Palsy Children (Jun 2024)



At AURA, 90 children with CP were screened by SDCP students. Caretakers (n=10) received focused training on identifying dental issues and correct brushing/flossing.

Assessment of oral hygiene status and dental screening of 90 children (age = 5 – 12 years) suffering from Cerebral Palsy (CP) was performed by the dental hygiene students of SDCP. This was followed by providing necessary guidance to a small focused group of 10 selected care-takers.

The guidance and awareness included basic identification of dental problems such as gum bleeding and dental caries followed by toothbrushing and flossing exercises. The project was led by Dr. Ather Khan, Dr. Aqsa Iqbal and Ms. Sumer Mallick in June' 2024.

9. Madrasa Jamia Ishaat-ul-Quran (12 Sep 2024)



In continuation to the Civic-Engagement Program of the Department of Community Dentistry of Dow International Dental College organized a one-day Education and Awareness Camp at the Madrasa Jamia Ishaat-ul- Quran (Trust Masjid Bilal) Gujrat Colony Baldia Town 3 on 12th September 2024. Oral health exams revealed >35% hypoplastic teeth and widespread calculus despite regular use of Miswak. Sessions addressed misconceptions and reinforced modern hygiene practices.

Our Dental Students team led by Dr. Rida Batool under the supervision of Dr. Ambrina Qureshi, did Dental and Oral Health examinations of these children followed by recording their oral hygiene habits including tool and frequency for cleaning teeth, betel nut consumption, and use of Miswak.

Outreach Activities by SPH, DUHS

1. **Breast Cancer Awareness (Oct 2024)**

At Landhi Community Centre, DUHS oncology specialists Dr. Omaima and Dr. Marium led an interactive breast cancer awareness session for women, emphasizing early detection, self-examination, and timely treatment. BS Nutrition students supported by decorating the venue, managing logistics, and organizing an awareness walk. This initiative created a safe, welcoming space for women to openly discuss health concerns and learn preventive practices. It was particularly impactful in Landhi, an underserved locality where women often lack access to health education, helping bridge critical knowledge gaps and empowering participants to take proactive steps toward their health.

2. **Breastfeeding Awareness (Nov 2024)**

Assistant Professor Dr. Sumaira Nasim (Public Health Nutrition, SPH) conducted a breastfeeding awareness session at Landhi Community Centre, highlighting the importance of exclusive breastfeeding, maternal nutrition, and dispelling common misconceptions. Faculty and BS Nutrition students actively engaged with women through discussions, Q&A sessions, and practical demonstrations of correct practices. The initiative promoted maternal and child health while strengthening trust between the university and the community. It also offered students practical exposure to community health promotion, reinforcing classroom learning with real-world application. The session was well-received and helped encourage healthier practices among mothers in the community.

3. **Anemia & Hygiene Awareness (Nov 2024)**

Final-year BS Nutrition students conducted a community session at a government school in Landhi, focusing on anemia, iron deficiency, hygiene, and prevention of common diseases. They educated schoolchildren on consuming iron-rich foods, maintaining hygiene, and recognizing early signs of illness. Using visual aids, interactive discussions, and practical demonstrations, the students ensured that the content was relatable and easy to understand for children. This initiative not only improved awareness among the students but also provided valuable hands-on experience for BS Nutrition students, preparing them for future roles in community health outreach and education.





4. **Diabetes Assessment and Awareness Session (December 2024)**

At Landhi Community Centre, DUHS organized a diabetes camp offering free blood sugar testing, health assessments, and educational sessions on prevention, diet, and lifestyle changes. Community members learned their risk status and received practical





guidance for management. This initiative was crucial for Landhi, where access to screening is limited, enabling residents to take proactive health steps. The program also built trust with the community, highlighting DUHS's commitment to preventive health and empowering individuals to adopt healthier habits in managing chronic conditions such as diabetes.

5. **Adolescent Nutrition Session – Korangi Academy (2024)**

A nutrition awareness session was conducted at Korangi Academy to promote healthy eating among adolescents. The program emphasized balanced diets, the role of nutrients in growth and learning, and practical tips for healthier food choices suited to local contexts. Interactive activities and discussions engaged students, making concepts relatable to their daily lives. The initiative equipped adolescents with essential knowledge and motivation to adopt sustainable, healthier lifestyles during their formative years, positively impacting both physical development and cognitive performance while addressing nutrition-related concerns in this critical age group.




6. Educational visit to Indus Hospital on July 1st 2025

Final-year BS Nutrition (Public Health) students visited Indus Hospital to observe CMAM (Community-Based Management of Acute Malnutrition) protocols and PCM OPD services. The visit provided hands-on exposure to nutrition assessment and malnutrition management in real-world clinical settings. Students gained practical insights into treatment protocols, strengthening their ability to connect classroom learning with applied nutrition practices. This field experience enhanced their competence in public health nutrition and equipped them with valuable skills for addressing acute malnutrition challenges within both hospital and community contexts.



7. Educational Visit – Landhi Community Centre (18 June 2025)



BS Nutrition students from the Public Health track visited Landhi Community Centre to observe community-based nutrition activities and interact directly with residents. The visit exposed students to local health

challenges, allowing them to connect theory with real-world practice. Students learned about nutrition assessment, program implementation, and culturally sensitive health strategies. This experience deepened their understanding of public health work in underserved urban settings, while strengthening community-university.

8. **ENRICH Project – Landhi (Jul 2024–Jun 2025)**

Under the ENRICH Project, SPH faculty and BS Nutrition students engaged Landhi residents through structured visits, CBO meetings, and household health education. Activities included door-to-door engagement, Lady Health Worker collaborations, and data collection for student research. These efforts fostered community ownership, identified nutrition challenges, and aligned interventions with local needs. By integrating service, learning, and research, DUHS contributed to sustainable community health improvements while providing students with field-based experience. Documented activities demonstrated long-term commitment to empowering Landhi's community through participatory health promotion and strengthening grassroots health systems.

Outreach Activities by DIPM&R, DUHS

1. **Exercise Execution Session – DUHS F&SRC (25 Mar 2025)**

The Department of Physiotherapy conducted a hands-on session at the DUHS Fitness & Sports Rehabilitation Centre. Supervised by Dr. Sarfaraz, participants, including students, staff, patients, and families, learned correct exercise machine use to improve strength, mobility, and rehabilitation outcomes. The initiative emphasized supervised physical activity as a tool for wellness and rehabilitation. This interactive program promoted healthier lifestyles within the DUHS community and highlighted the department's role in integrating physiotherapy education with community-centered initiatives.

2. **World Stroke Day – Awareness Program (8 Oct 2024)**

On World Stroke Day, DIPM&R organized an awareness program led by faculty including Drs. Saeed Shaikh, Mustafa, Yasin, and Jetindar. Sessions covered stroke prevention, early warning signs, lifestyle modifications, and physiotherapy's role in rehabilitation. The program educated patients, caregivers, and the public on timely intervention and recovery strategies. It reinforced DUHS's commitment to preventive care and community health education, while showcasing physiotherapy's vital contribution to stroke management and quality of life improvement for survivors.



Outreach Activities by IBHM, DUHS

1. Installation of the 9th Water Hand Pump – A Step Toward Sustainable Change

As part of a continued commitment to community well-being, the Community Service and Sustainability Society (CSSS) at Institute of Business and Health Management, DUHS, in collaboration with the Civics and Community Engagement Class of BBA and GHAZI Organization, successfully installed the 9th water hand pump in Muhammad Hussain District, Sanghar. This initiative will benefit 11 families, significantly improving access to clean water and sanitation in the area.





Smoke-Free Campus Policy

DUHS established its Tobacco & Smoke-Free Environment Policy on 11 April 2020, publicly available online. The Department of Community Medicine conducted awareness sessions on tobacco control and cessation for staff and students. Additionally, the Marketing Department hosted a visit by Commissioner Karachi and WHO representatives on 16 June 2022, during which DUHS was officially declared Pakistan's first Smoke-Free University. These efforts underscore DUHS's leadership in promoting public health, fostering a safe learning environment, and advocating for smoke-free campuses nationwide.

16.2. QUALITY EDUCATION – SDG 04

Educational Outreach Activities

1. School Visit to Dow Dental College

Government Boys Secondary School students and teachers visited Dow Dental College under the leadership of Dr. Taqi. Guided by faculty members, participants toured various departments, learned about dental education, and interacted with specialists. Teachers were also introduced to dentistry practices and research. The visit fostered curiosity among students, enhanced their academic exposure, and encouraged them to consider healthcare as a potential career path.

The 35 students and 7 teachers of the school were given a comprehensive presentation by Dr. Adnan Sukkurwalla, providing an overview of the institution's rich legacy and ongoing initiatives. Subsequently, the students were divided into groups, each guided by Dr. Mona, Dr. Babar, and Dr. Amber, who led them to various DDC departments, facilitating insightful interactions with the faculty, who informed them about their respective functions and operations. Simultaneously, a group of teachers was escorted through different dentistry departments under the supervision of Dr. Adnan Sukkurwalla.



2. World Oral Health Day at DDC

Dow Dental College celebrated World Oral Health Day with presentations and activities promoting oral hygiene. Organized by the Community Health Department in collaboration with Platinum Pharma, the event featured lectures by Dr. Mona Shah and Dr. Chandar Kumar, emphasizing oral care and the role of industry in public health. Shields were presented to speakers, and Platinum Pharma reaffirmed its partnership with DUHS. The program highlighted the importance of preventive dental education and industry-academic collaboration in spreading awareness.

In collaboration with Platinum Pharma, the DDC's Community Health Department and its faculty, including the Head of the Department Dr. Muhammad Taqi, Dr. Adnan, Dr. Mona, Dr. Babar, and Dr. Amber, organized the event.



3. Menstrual Hygiene Awareness Session

On Wednesday, 28th May 2025, Ms. Mushkain Shahid, the SDG#02 ambassador from DDC conducted a menstrual hygiene awareness session at Abbasi Shaheed Hospital, Karachi for women from underprivileged backgrounds.

During the session, she was deeply concerned to learn that many women were using unclean clothes during their menstrual cycles and reusing them after washing. This practice poses serious health risks, which are often unknown or unaddressed in such communities.
The session focused on:

- **Educating the participants about the importance of proper menstrual hygiene**

- **Highlighting the potential health complications of using unclean or reused materials**
- **Promoting affordable and safe alternatives**
- **Empowering women with knowledge to make informed decisions about their health**

For many participants, it was their first exposure to such essential information. The





session proved to be both eye-opening and impactful, contributing toward health awareness and preventive education.

4. Awareness Campaign at Civil Hospital Karachi

On 10th May, 2025 Ms. Mushkain Shahid, the SDG ambassador from DDC organized a campaign at Civil Hospital Karachi in collaboration with her organization, Sahara – Student Alliance. This initiative aimed to promote awareness and drive action around SDG 4.





The campaign featured three main segments:

1. Awareness Session: We engaged with the local community at Civil Hospital to educate them on SDG 2 – Zero Hunger. The session focused on practical ways to combat hunger, which continues to be a pressing issue affecting countless civilians.

2. Dehydration Drive: In light of Karachi's intense heat, we distributed over 250 juices to help people stay hydrated and raise awareness on the importance of nutrition.

3. Refreshment & Certificate Ceremony: The event concluded with a refreshment session and a certificate distribution ceremony. Ms. Sanam Soomro, the SDG focal person, honored our dedicated volunteers with certificates of appreciation.

This campaign served not only as an awareness initiative but also as a meaningful step toward addressing hunger and promoting Goal#04 Quality education.

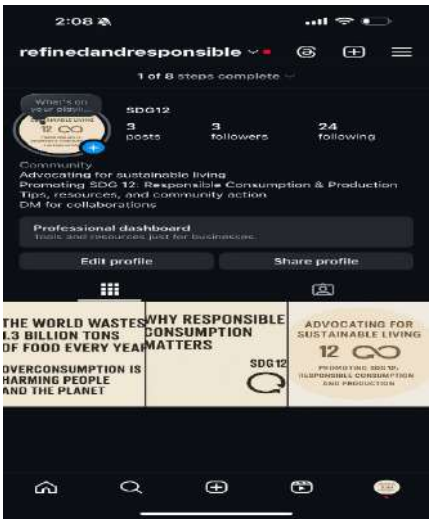
5. Social Media Initiative for Responsible Consumption and Production

As the student ambassador, Ms. Aleena Mubin, launched a dedicated Instagram page aimed at raising awareness and encouraging responsible consumption habits among youth and the wider community.

The objective of this initiative is to:

- **Share practical tips on reducing waste and making sustainable lifestyle choices**
- **Educate followers on the impact of overconsumption and the importance of mindful use of resources**
- **Promote small, everyday actions that contribute to larger environmental goals**

Through this digital platform, we hope to foster a community that values sustainability.



6. 1st Undergraduate Research Day at DIMC

Dow International Medical College hosted its first Undergraduate Research Day on May 15, 2025, under the theme *"Empowering Future Clinicians: Advancing Medicine Through Research."* Students submitted abstracts in multiple categories including original research and systematic reviews. The event, led by Dr. Iftikhar Ahmed and Dr. Farina Hanif, provided certificates, awards, and peer-reviewed recognition to participants. This initiative strengthened research culture, encouraging undergraduates to develop scientific inquiry and evidence-based medical practices for their future careers.



7. Food Fun Festival at DUHS

On June 29, 2025, Ojha Campus hosted the Food Fun Festival, organized by second-year entrepreneurial strategy students. Supported by faculty and administration, the event showcased student-run food stalls and activities promoting skills in teamwork, marketing, and entrepreneurship. Attendees enjoyed games and culinary experiences while observing business practices in action. The festival provided a lively, informal learning platform for students to develop entrepreneurial confidence and practical application of classroom knowledge.



9. Career Fest 2024 by IBHM

On September 7, 2024, the Institute of Business and Health Management participated in Career Fest 2024. Students engaged with industry experts to explore diverse career opportunities, gaining insights into market trends, professional pathways, and future prospects. The event also provided an excellent networking platform, allowing participants to build connections and receive guidance from experienced professionals. This initiative reflects DUHS's commitment to preparing students for evolving job markets through exposure and mentorship.

10. Executive & Vocational Training Programs

DUHS, in collaboration with the Pakistan Institute of Quality, offers an executive education program, *Certified Healthcare Quality Professionals,* equipping participants with advanced knowledge in healthcare management. Additionally, the Dow Skills Development Centre (DSDC), registered with SBTE and NAVTTC, conducts vocational and technical training, including computer and textile courses for women in safe environments. These programs focus on enhancing healthcare professionals' skills, advancing service quality, and creating pathways for broader community empowerment through vocational opportunities.

The following Courses have been conducted by Dow Skills Development Centre from July 2024 to June 2025:

Workshops offered by DSDC during the period July 2024- June 2025			
S. #	**Name of Training/Course**	**Date**	**No. of Participants**
6.	Writing Scientific Manuscripts for High-Impact Journals	3 Days	35
7.	Systematic Review and Meta-Analysis	3 Days	31
8.	AI Tools for Medical Research and Publications	3 Days	26
9.	Cell Culture Essentials: From Theory to Practice	2 Days	22
Course offered by DSDC during the period 2024- 2025			
S. #	**Name of Training/Course**	**Date**	**No. of Participants**
11.	DIPLOMA IN INFORMATION TECHNOLOGY	1 YEAR	35
12.	CERTIFICATE IN INFORMATION TECHNOLOGY	6 MONTHS	205
13.	SOCIAL MEDIA MARKETING	4 MONTHS	17
14.	CLINICAL SUPPORT SKILLS CERTIFICATE BATCH 1	4 MONTHS	27
15.	BASICS OF BLOOD BANKING BATCH 2	4 MONTHS	28
16.	BASICS OF STICHING	2 MONTHS	26
17.	DIGITAL MEDIA MARKETING	4 MONTHS	19
18.	DIGITAL MARKETING ESSENTIALS	4 MONTHS	9
19.	CLINICAL SUPPORT SKILLS CERTIFICATE BATCH 2	4 MONTHS	29
20.	BASICS OF BLOOD BANKING BATCH 3	4 MONTHS	8
Total			517

16.3. GENDER EQUALITY - SDG-05

The Dow University of Health Sciences practices equal access to resources and opportunities, regardless of gender, including employment, admission and decision-making.

1. Women Applications and Entry.

DUHS ensures equal opportunities for admissions, employment, and decision-making under the DUHS Act 2004, which mandates non-discrimination based on sex, religion, race, or class. The university follows transparent policies for admissions and employment, fostering equality in hiring, training, and professional growth. DUHS promotes a participative work culture where gender equity is embedded across academic and administrative functions.

2. Women's Access Schemes.

DUHS provides mentoring and scholarship programs across institutes, including DCOP and DIPM&R. The Ehsaas Undergraduate Scholarship, Pakistan's largest need- and merit-based program, reserves 50% of awards for female students. These initiatives expand academic opportunities for women, ensuring equal participation and financial support in higher education, thereby advancing gender equality.

3. An Interactive session on Importance of Nutrition for Women's Mental and Physical Well-Being: Women's Day Celebration & Awareness Activities.

On Women's Day, Dow University of Health Sciences celebrated the strength and achievements of women in both mental and physical health. The event showcased the unity and support within DUHS, symbolized by the various hues of purple. Dr. Faisal Yameen initiated the program with insights on holistic wellness, highlighting the significance of physical activity across all aspects of life. Ms. Badder Hina emphasized the importance of nutrition for women's mental and physical well-being.

The interactive Q&A session allowed participants to engage directly with speakers, with discussion on contemporary health issues. The yoga session, guided by Dr. Noor along with Ms. Rohi Naz and Ms. Mahawish Asher, instilled tranquility and taught techniques for managing stress. The Pro Vice Chancellor Prof. Dr. Jahan Ara Hasan, Dr. Zeba Haque, Prof. Dr. Sumbul Shamim, and Dr. Mehnaz Director of Sports DUHS shared invaluable wisdom, inspiring all attendees. The event exemplified DUHS's commitment to empowering women without limits, making it a day of immense pride for all associated.

4. Maternity Policy of DUHS.

DUHS established maternity leave in 2007, later formalized in 2019, in alignment with Sindh government regulations. The policy ensures maternity and paternity leave for employees, supporting both mothers and fathers. This progressive step reflects

DUHS's dedication to work-life balance and gender-inclusive benefits, ensuring that employees can manage family responsibilities without professional compromise.

5. Childcare facilities for students, staff and faculty.



DUHS operates subsidized day care centers for students, staff, and faculty, catering to children aged 3 months to 5 years. The centers maintain hygienic environments, provide meals, rest, and playtime, and support early childhood development with structured activities. These services help parents pursue education and careers confidently, fostering gender equality by enabling women to balance family and professional life.

6. Protection against Discrimination.

DUHS enforces anti-discrimination policies for students and staff, supported by formal grievance mechanisms. Platforms such as *Dow Connect* allow confidential reporting of issues related to discrimination or disadvantage. Students can also approach the Academic Committee, while staff can report to the Grievance Committee. These systems ensure a fair, transparent, and supportive environment, strengthening DUHS's stance on equality and justice.

16.4. PARTNERSHIP FOR THE GOALS – SDG 17

1. Collaboration with NGOs to tackle the SDGs

1. NIDE–HPF Collaboration for the CDIC Project:

- **The National Institute of Diabetes and Endocrinology (NIDE), DUHS, partnered with the Health Promotion Foundation (HPF) by signing a Memorandum of Understanding (MoU) on 16th April 2025.**
- **The MoU was signed under the leadership of Prof. Mohammed Saeed Quraishy, T.I., Meritorious Professor & Vice Chancellor, DUHS, and Prof. Jahan Ara Hasan, Meritorious Professor & Pro Vice Chancellor, DUHS.**
- **The agreement was formalized by Prof. Abdul Basit (HPF) and Dr. Ashar Afaq, Registrar, DUHS.**
- **The CDIC clinic at NIDE was inaugurated, offering free insulin, glucometers, and strips to all registered children with type 1 diabetes.**
- **The Changing Diabetes in Children (CDIC) project is a global initiative led with Novo Nordisk and Roche, currently active in 18 countries. In Pakistan, 26 centers are already functioning, with NIDE becoming the 27th center.**
- **Dr. Musarrat Riaz, Director of NIDE, emphasized the program's importance in improving quality of life for children with type 1 diabetes.**



2. Dedicated Courses Advancing Sustainability and SDGs

DUHS demonstrates commitment to SDG-focused education by offering dedicated courses and electives addressing sustainability and the SDGs across multiple programs. Examples include: Fundamentals of Public Health, Environmental & Occupational Health, Reproductive Health & Maternal & Child Health (MCH), Community and Preventive Dentistry, Biomechanics and Ergonomics, International Relations and Current Affairs, Environmental Sciences, Sociology, Development

Economics, Legal & Regulatory Environment for Business, Health Policy Economics

- **These courses are integrated into BS Nutrition, MS in Public Health, BBA, BDS, and Doctor of Physical Therapy programs.**

3. Faculty Leadership: Awards, Government Policy Committees, and Council Memberships

Representation in Govt. Policy Making Committee (FY 2024-2025)		
Name of Faculty	**Name of Committee/Representation**	**Name of Organization**
Dr. Muhammad Khalid Shafi	Chair, National Immunization Technical Advisory Group (NITAG)	EPI Govt of Pakistan
Dr. Muhammad Khalid Shafi	Member, Technical Advisory Group (TAG) for Polio Eradication	WHO
Dr. Muhammad Khalid Shafi	Member, Immunization Committee	International Pediatric Association (IPA)
Dr. Muhammad Khalid Shafi	Member, National Task Force for Newborn Survival Strategy	Ministry of National Health Govt of Pakistan
Dr. Muhammad Khalid Shafi	Member, TWG Newborn Survival Strategy Sindh	Director General of Health Govt of Sindh
Dr. Muhammad Khalid Shafi	Member, Polio Expert Review Committee	Director General of Health Govt of Sindh
Dr. Muhammad Khalid Shafi	Technical working group for Rabies control and Prevention.	Director General of Heath Govt of Sindh.
Dr. Muhammad Khalid Shafi	Technical working Group for HPV Vaccine in Sindh	Secretory Health Govt of Sindh.
Dr. Muhammad Khalid Shafi	Member Breast Feeding Steering Committee Sindh	Health Department Govt of Sindh.
Dr. Muhammad Khalid Shafi	Member TAG to Infant feeding Board Sindh	Health Department Govt of Sindh.
Prof. Dr. Ambrina Qureshi	Journal Recognition Committee – Health & Biological Science	HIgher Education Commission, Islamabad
Dr. M. Khawaja Hamaduddin	National Curriculum Review Committee for Allied Health Sciences	Higher Education Commission Islamabad
Dr. Shumaila Aman	National Curriculum Council / Faculty Expert	National Curriculum Council, Ministry of Federal Education and Professional Training (MoFEPT), Government of Pakistan.
Prof. Dr. Noor Jahan	Pharmacy Council of Pakistan	Ministry of National Health Services, GoP

Membership in Various Associations/Councils		
Name of Faculty	**Name of Committee/Representation**	**Name of Council/Association**
Dr. Muhammad Khalid Shafi	**Member GNN**	**Global Network of NITAGS WHO**
	Joint Secretary	**SAPA South Asia Pediatric Association**
	Member Executive Committee	**Pakistan Pediatric Association**
	Life Member	**Pakistan Medical Association**
Prof. Dr. Ambrina Qureshi		**British Association for the Study of Community Dentistry (BASCD)**
		Association of Healthcare Professionals-Globally, Allied Healthcare Professional **International Association of Dental Oral and Craniofacial Research, Pakistan Chapter** **United Kingdom Research and Innovation Funding Service, Research and Innovation Section**
Dr Muhammad Khawaja Hammad Uddin	**Fellow of NAHE**	**National Higher Education Academy (NAHE), HEC**
Prof. Dr. Sumbul Shamim	**Member**	**Member American Society of Gene and Cell Therapy; Member American Society of Experimental Pharmacology and Therapeutics; Member of Pakistan Pharmacological Society.**
Dr. Fakhsheena Anjum	**Lifetime member**	**Pakistan Biological Safety Association**
Dr. Shumaila Aman	**American Society for Microbiology / Member**	**American Society for Microbiology**
Prof. Dr. Farhan Vakani	**Member**	**The Australian & New Zealand Association for Health Professional Educators**