



# Annual Report

2023 - 2024

**National Skills University  
Islamabad, Pakistan**

UNESCO - UNEVOC International Center

City & Guilds Accredited

Recipient of Commitment to Vocational  
Excellence badge by European Training  
Foundation (ETF)



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# About this Report

With great pride, we present the Annual Report 2023–2024 of National Skills University Islamabad (NSU), a comprehensive account of our academic, research, administrative, and financial progress over the past year. As Pakistan’s first university dedicated to skills-based education, NSU continues to bridge the gap between traditional learning and industry-driven expertise, fostering a workforce equipped for the challenges of the 21st century. This report highlights our commitment to academic excellence, cutting-edge research, transparent governance, and financial sustainability, ensuring that NSU remains at the forefront of technical and vocational education in the country.

Prepared by the Academic Council, National Skills University Islamabad

***“Education must extend beyond textbooks to cultivate real-world expertise. A nation thrives when its educational institutions empower youth with academic knowledge and practical skills that drive innovation and progress.”***

**Prof. Dr. Muhammad Mukhtar**

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# Education for Impact: The Birth of National Skills University Islamabad

The story of NSU is not just about the birth of another academic institution but a transformative journey that reimagines the purpose and power of education. Chartered through an Act of Parliament in March 2018, the National Skills University emerged from the legacy of the National Institute of Science and Technical Education (NISTE), strategically designed to modernize and revolutionize technical education in Pakistan.



NISTE Employees with Founding Vice Chancellor of the National Skills University Islamabad, Prof. Dr. Muhammad Mukhtar and Project Director Jahanzeb Khan

However, the seed of this idea was sown much earlier. In December 2016, Pakistan's Central Development Working Party (CDWP) approved a significant development initiative: a PC-I valued at nearly Rs. 998.546 million. This financial commitment was aimed at revitalizing NISTE's physical and operational infrastructure and aligning it with international benchmarks for skills-focused education. What began

as an infrastructural upgrade was, in truth, the start of a national movement. Despite the university's charter being issued in 2018 and its founding Vice Chancellor joining in October 2019, institutional bodies such as the Academic Council, Syndicate, and Selection Board remained incomplete, awaiting faculty appointment. The university's potential, brimming just beneath the surface, awaited official sanction to bloom. However, after a few months, the incoming Vice Chancellor, with limited resources, demonstrated unwavering dedication and succeeded in getting the first University Senate established, overcoming insurmountable challenges. That inflection point arrived in August 2020, when the inaugural meeting of the University Senate was held. The University Senate, a key governing body, makes major decisions related to the university's academic and administrative matters. By October of the same year, the Senate empowered the Vice Chancellor with the authority to constitute academic and administrative bodies and begin teaching activities. The NSU transitioned from a visionary blueprint to a functioning university. A group of experts under the umbrella of the NSU Vision 2025 formulated a roadmap to establish a world-class skill university, its vision, mission, values, and overall timelines for accomplishing several tasks to get it recognized by the Higher Education Commission of Pakistan.

The university is the nation's first institution to produce graduate and postgraduate technologists across diverse fields. It supports industrial development, technological self-reliance, and human capital enhancement.

The NSU is envisioned as a breeding ground for technologists, teacher-educators, curriculum developers, and applied researchers. The university's agenda includes everything from producing indigenous solutions for industrial challenges to formulating national curricula and retraining the trainers of tomorrow.

At its core, NSU represents an intersection of theory and practice, research and relevance, the classroom, and the factory floor. It is a place where consultancy meets the classroom, where curriculum evolves from the needs of the workplace, and where Pakistan's future workforce will be shaped not in lecture halls alone but in workshops, labs, and real-world problem-solving environments. This commitment to practical learning ensures that NSU's graduates are knowledgeable, skilled, and ready for the challenges of the modern world.

***NSU is the nation's answer to a long-asked question: Can education be more than credentials - capability? At NSU, the answer is being written every day.***





# Governance and Administration at the NSU (Earlier Days)

## Project Steering Committee (PSC)

### A Transitional Framework Mandated Through PC-I

In the formative phase of the National Skills University, Islamabad (NSU), the Project Steering Committee (PSC) played a crucial role in maintaining continuity and stability. As stipulated in the approved initial PC-I, the PSC's pragmatic and essential arrangement was particularly significant given the transitional nature of the institution's establishment. With its pivotal role in policy formulation, monitoring implementation, and resolving operational challenges, the PSC ensured effective oversight when the university's statutory bodies were not constituted, providing a continued stability and security.

PSC was a strategic guide as the institution evolved from the National Institute of Science and Technical Education (NISTE) into a full-fledged university. The rationale for this interim governance structure was to maintain momentum in institutional development while laying the groundwork for permanent administrative frameworks.

Notably, the PC-I, approved by the Central Development Working Party (CDWP) in December 2016, anticipated this transitional need and explicitly embedded provisions for a PSC to operate until the university's formal structures were fully operational. Although the university's charter was later issued, a Founding Vice-Chancellor appointed, and the Senate constituted, the Senate, cognizant of the need for institutional stability, resolved that the PSC would continue to function until a critical mass of faculty and administrative personnel was in place to support the work of the university's statutory bodies.

Besides governance, the PSC was pivotal in facilitating administrative and policy decisions during the university's transition from the National Institute of Science and Technical Education (NISTE) to a degree-awarding institution.

The inaugural meeting of the PSC held on 27 February 2019 and chaired by Lt. Gen. (R) Muhammad Asghar, then

Executive Director of the Higher Education Commission (HEC), focused on immediate administrative issues. The committee urged the Ministry of Federal Education and Professional Training (MoFE&PT) to expedite the appointment of a Vice Chancellor, clear NISTE liabilities, and ensure the timely handover of physical and financial assets to the university. It also addressed private and government entities' unauthorized occupancy of campus buildings.

In its second meeting on 27 June 2019, the PSC established a sub-committee comprising representatives from MoFE&PT, HEC, and NSU to assess outstanding financial liabilities and propose comprehensive solutions. Mr. Jahanzeb Khan was given additional charge as Project Director of NSU, formalizing his leadership role during this critical stage.

The third meeting, held on 24 September 2019, expressed concern over delays in leadership appointments and took decisive actions to streamline operational matters. These included initiating the recovery of outstanding utility charges, installing individual meters for campus occupants, and authorizing rent recovery from external organizations. The PSC authorized several sub-committees to address employee benefits, legal liabilities, and infrastructure planning. The PSC authorized NAVTTC short courses and a national NSU logo design competition.

The fourth meeting, chaired by Dr. Fateh Muhammad Marri, on 14 February 2020, confirmed previous decisions and moved forward with institutional development. A selection committee was constituted for hiring senior administrative and academic staff. The Founding Vice-Chancellor was empowered to



National Skills University Islamabad – 4th Steering Committee Meeting  
February 14, 2020

establish recruitment committees for hiring grade 1- 16 employees. The committee also authorized the initiation of undergraduate technology programs, subject to regulatory clearance, and supported partnership activities under the Prime Minister's Kamyab Jawan Program.

The fifth meeting on 28 September 2020 reiterated the university's mission of launching academic activities aligned with its long-term vision. It endorsed the revised PC-I and called for a re-advertisement of tenders for critical infrastructure projects. A faculty including officer recruitment selection committee was established, having representatives from NSU's Senate, MoFE&PT, NAVTTC, and HEC. Additionally, the committee approved the award of a rehabilitation contract for Hostel-D, further advancing

campus readiness.

Throughout these meetings, the Project Steering Committee functioned as the central decision-making body, ensuring that all stakeholders were informed and involved in the governance and administrative decisions. This approach enabled continuity, ensured accountability, and laid the administrative foundation for NSU until the university's statutory bodies were established.

The model of transitional governance, with the PSC at its core, allowed NSU to maintain administrative continuity while progressing toward its long-term vision. As such, the university's foundational objectives were not compromised during the early phases of development, providing a sense of stability and security to all stakeholders.



A Collaborative Workshop on IT Skills in Partnership with American Institute of Pakistan Studies and NAVTTC (January 2020)

# NSU Senate Meetings – Institutional Governance and Strategic Milestones

The Senate of the National Skills University Islamabad (NSU), the university's apex statutory authority responsible for policymaking, academic direction, and institutional oversight, has convened regularly since the university's inception in 2019. These meetings, chaired by the Honorable President of Pakistan, Federal Minister, and senior federal officers, have been instrumental in shaping the academic, administrative, and strategic framework of Pakistan's pioneering institution in skills-based higher education.

## **First Meeting of the Senate – August 20, 2020**

***Chaired by Dr. Arif Alvi, President of the Islamic Republic of Pakistan and Chancellor of the University***

The inaugural meeting of the Senate of the NSU marked a historic milestone in establishing Pakistan's premier skills-based higher education institution. In this foundational session, the Senate laid down the strategic, administrative, and academic pillars essential for transitioning the university from a developmental initiative to a fully operational academic

entity.

Foremost among the decisions was the approval for hiring the university's first cohort of faculty and administrative personnel, per the parameters outlined in the approved Planning Commission Form I (PC-I). This critical endorsement allowed the university leadership to recruit essential academic and support staff, ensuring the operationalization of teaching departments, student services, and institutional governance structures.

Recognizing the evolving needs of a dynamic academic institution, the Senate authorized necessary revisions to the original PC-I document. These revisions included infrastructural and human resource planning with the university's emerging priorities and national expectations. Among these establishing academic departments, procuring equipment, and developing the campus infrastructure required to transition the university into a fully functional and forward-looking institution.

In a notable development reflecting the university's commitment to inclusive

governance, the Senate appointed Ms. Rabia Dadabhoy to NSU's Finance and Planning Committee. Her appointment brought a valuable perspective to the university's financial oversight and strategic investment planning.

To ensure continuity and expedite the development of institutional policies and regulatory frameworks, the Senate resolved to convene quarterly until the university's statutory bodies were fully constituted and its Statutes and Regulations were formally approved. This provision underscored the Senate's proactive approach to governance during the university's formative years.

In a visionary move, the Senate also constituted the NSU Vision Committee, tasked with developing the university's long-term academic, strategic, and developmental roadmap. This committee

was entrusted with articulating NSU's mission within the broader national and global contexts, thereby shaping its future trajectory as a center of excellence in technical and vocational higher education.

This inaugural Senate meeting established the operational groundwork for the university and reflected a firm commitment to building an institution guided by sound governance, strategic clarity, and academic innovation.

### **Second Meeting of the Senate – October 20, 2020**

*Chaired by Dr. Arif Alvi, President of the Islamic Republic of Pakistan and Chancellor of the University*

The second statutory meeting of the Senate of the National Skills University Islamabad (NSU) was a pivotal moment

Members of the 1<sup>st</sup> Senate of the National Skills University Islamabad with Chancellor



in crystallizing the university's academic vision and administrative architecture. Based on the foundational decisions of the inaugural meeting, this session was characterized by strategic foresight and institutional empowerment.

At the heart of the proceedings was the formal approval of the NSU Vision 2025, a comprehensive document articulating the university's long-term developmental trajectory. This visionary framework outlined NSU's role in advancing technical and vocational education aligned with national development goals and the demands of the fourth industrial revolution. The Vision 2025 document emphasized industry relevance, entrepreneurial mindset cultivation, digital literacy, and inclusive access to future-ready skills education.

To accelerate institutional readiness and academic delivery, the Senate conferred authority upon the Vice Chancellor to undertake critical administrative and academic tasks essential for the university's operationalization. These responsibilities included recruiting staff to complete the quorum of statutory bodies, engagement with regulatory agencies for formal recognition, delivery of identified academic programs, finalization of curricula, and acquisition of laboratory and instructional equipment, as specified in the PC-I. The Senate underscored the importance of transparency and

accountability by mandating that a comprehensive report of all such actions be presented at the subsequent Senate meeting for review, endorsement, and formal approval.

Recognizing the need for a unified command in this crucial phase of institutional development, the Senate designated the Vice Chancellor as the Project Director, thereby vesting him full administrative and financial authority. This dual role was intended to ensure the seamless execution of project deliverables and cohesive oversight of academic and infrastructural expansion while maintaining fidelity to the PC-I and university regulations.

Through these far-reaching decisions, the Senate reinforced the university's governance infrastructure and empowered its leadership to navigate the challenges of inception with strategic autonomy and institutional accountability. This meeting marked a decisive step toward transforming the university's vision into tangible outcomes and sustainable academic excellence.

### **Third Meeting of the Senate – December 13, 2021**

***Chaired by Dr. Arif Alvi, President of the Islamic Republic of Pakistan and Chancellor of the University***

The third meeting of the Senate of the

NSU marked a significant leap forward in institutional maturity, academic structuring, and strategic outreach. This session formalized several key decisions underpinning NSU's emergence as a technically progressive and academically robust institution within Pakistan's higher education landscape.

Foremost among the agenda items was the approval of faculty and administrative staff appointments (PPS-7 and above) on a contractual basis, made upon the recommendations of the 1st through 5th Selection Committee meetings. These appointments provided essential human capital for academic program delivery, administrative functionality, and the university's broader developmental agenda.

To further strengthen academic governance, the Senate constituted the Boards of Studies for key departments, including Mechanical, Civil, Electrical, Medical Laboratory, Information Engineering Technologies, and Mathematics. This move signaled the university's progression toward curriculum autonomy and academic quality assurance.

In alignment with regulatory and programmatic benchmarks, the Senate approved the Undergraduate Degree Program Regulations for the academic year 2021, thereby establishing a formalized

structure for instruction, evaluation, and graduation. Complementing this, Chairpersons were appointed across all teaching departments, ensuring clear academic leadership and department-level governance.

A key emphasis of this meeting was on inter-institutional collaboration. The Senate approved a diverse portfolio of Memoranda of Understanding (MoUs) with the following academic and professional organizations:

1. The American Institute of Pakistan Studies
2. The Women Chamber of Commerce & Industry (Lahore Division)
3. The Muhammad Nawaz Sharif University of Engineering and Technology, Multan
4. The Virtual University of Pakistan
5. The FATA University, Khyber-Pakhtunkhwa

These partnerships reflected NSU's commitment to internationalization, women's entrepreneurship, and cross-institutional synergies.

To augment organizational expertise, the Senate approved the appointments of four specialized consultants in Human Resources, Finance, Audit, and Academics. Furthermore, the NSU Advisory Council

was constituted, bringing together eminent professionals and stakeholders to advise on academic innovation, policy development, and strategic direction.

Among faculty development matters, the Senate approved Engr. Sumaira Zaheen's deputation for a three-year term to the Federal Polytechnic Institute for Women (FGPIW) and sanctioned extending one year's study leave for Engr. Sadia Khan (April 5, 2021 – April 4, 2022) on half average pay. These decisions supported professional development while maintaining institutional continuity.

In line with compliance and legal frameworks, Advocate Qaisar Sarwar was appointed the university's part-time Legal Advisor from the Higher Education Commission's approved legal panel, enhancing legal oversight.

Of particular importance, the Senate approved the criteria and recruitment procedure for hiring project-based staff under the PC-I titled "Upgradation of National Institute of Science and Technical Education into Skills University." This included applying standard pay packages under the Project Pay Scale (PPS) for personnel hired on development projects funded through the Public Sector Development Programme (PSDP).

Demonstrating its firm stance on institutional integrity, the Senate adopted

the Higher Education Commission's Policy on Protection Against Sexual Harassment in Higher Education Institutions. This critical measure ensured that NSU provided all stakeholders with a safe, inclusive, and respectful environment.

The Senate approved the award of contracts for the renovation and maintenance of key facilities, including Staff Hostel Block "D," the Main Auditorium, Hostel C, workshops and laboratories, the cafeteria, the General Services Division, the university library, and the Education Planning and Management Building.

In advancing academic policy and university-wide service delivery, the Senate formally constituted the NSU Academic Council, the university's central academic body, and approved the Policy on Providing Professional Services by the university to public and private stakeholders.

Furthermore, the Senate authorized the university to offer a Professional Practice Certificate (PPC) in collaboration with Systems Ltd., a step toward integrating market-responsive short courses into NSU's academic portfolio.

Lastly, the Senate constituted a committee to review the proposed partnership between NSU and Bay River College, Calgary, Canada, regarding an English as a Second Language

(ESL) Academic Pathway Program. This initiative aligned with the university's strategic internationalization agenda and commitment to global educational mobility.

#### **Fourth Meeting of the Senate – April 28, 2022**

***Chaired by Dr. Arif Alvi, President of the Islamic Republic of Pakistan and Chancellor of the University***

The fourth meeting of the Senate of the National Skills University Islamabad (NSU) continued to build upon the momentum of earlier sessions, reflecting a deepening of institutional structure, academic expansion, and operational refinement. The decisions during this meeting were integral to the university's continued evolution as a national leader in technical and vocational education.

The Senate approved the contract appointments of faculty and administrative staff (PPS-7 and above)



4<sup>th</sup> Senate Meeting of the National Skills University Islamabad

based on the 6th and 7th Selection Committee meeting recommendations. These appointments were critical in maintaining teaching continuity, strengthening administrative capacity, and supporting the delivery of technical programs across departments.

In an affirmation of NSU's expanding academic network and its commitment to regional and national partnerships, the Senate ratified Memoranda of Understanding (MoUs) with the following esteemed institutions:

1. Karakoram International University, Gilgit
2. Baluchistan University of Engineering & Technology, Buzdar
3. Al-Khwarizmi Institute of Computer Science (KICS), University of Engineering and Technology (UET) Lahore
4. Mir Chakar Khan Rind University of Dera Ghazi Khan

These collaborations will foster joint academic research, technological advancement, faculty development, and student mobility, thereby embedding NSU within a broader network of innovation and cooperation.

The Senate also approved the repatriation of Engr. Sumaira Zaheen, Associate Professor (BPS-19), from the Government

Polytechnic Institute for Women, to NSU. This action reinforced NSU's faculty base and highlighted its role in attracting experienced professionals into its academic fold.

In support of academic excellence and practical learning, the Senate authorized tender approvals for the procurement of laboratory equipment across multiple departments. These procurements ensure that the university's training and educational facilities remain modern, relevant, and aligned with industry standards.

Further, in line with efficient resource management and transparency, the Senate approved auctioning unusable and obsolete items from the university inventory. This step was essential for maintaining an organized and cost-effective institutional environment.

Recognizing the dynamic nature of development projects and the evolving financial landscape, the Senate approved the adoption of a revised Standard Pay Package for project staff recruited under the Public Sector Development Programme (PSDP). This decision aligned NSU's compensation policies with national standards and enhanced the university's capacity to attract and retain top-tier project personnel.

In support of faculty development, the Senate granted Engr. Sadia Khan, Lecturer

(BPS-17), a one-year extension of study leave on half average pay from April 5, 2022, to April 4, 2023. This reflects the university's enduring commitment to the professional advancement of its academic staff.

Finally, the Senate addressed matters related to institutional leadership by advising the university to submit a proposal to the Chancellor through the Ministry of Federal Education and Professional Training (M/o FE&PT) to re-fix the Vice Chancellor's salary package as his current salary package is much lower than contemporary colleagues. This recommendation recognized the changing scope of leadership responsibilities as NSU transitions from a project-based model to a full-fledged public sector university.

This fourth session of the Senate highlighted NSU's maturation as an institution of national significance, characterized by forward-thinking governance, robust academic partnerships, and sustained investment in infrastructure and human capital. The deliberations reflect a university's intent on excellence, equity, and strategic progress in Pakistan's higher education ecosystem.

### **Fifth Meeting of the Senate – February 28, 2023**

***Chaired by Dr. Arif Alvi, President of***

### ***the Islamic Republic of Pakistan and Chancellor of the University***

The fifth statutory meeting of the Senate of the NSU marked a period of strategic consolidation and regional expansion. This session reflected a steady transition from establishment to maturity, emphasizing institutional governance, inter-university collaboration, infrastructure development, and operational efficiency.

The Senate approved appointments of faculty and administrative staff (PPS-7 and above) on a contract basis, following recommendations from the 8th and 9th Selection Committee meetings. These appointments augment NSU's teaching capacity and administrative functioning, ensuring continued momentum in program delivery and organizational performance. In parallel, existing faculty and administrative personnel contracts were extended, underscoring the university's commitment to continuity, talent retention, and academic stability.

The university's growing national and international footprint was reflected in the Senate's endorsement of several Memoranda of Understanding (MoUs) with a diverse range of academic and non-governmental institutions:

1. Ghazi University, Dera Ghazi Khan
2. University of Okara

3. RAHMA Islamic Relief for Norway
4. TANG Chinese International Educational & Technology (Pvt. Ltd.)
5. Renewable and Alternative Energy Association of Pakistan (RAEP)

These partnerships reinforced NSU's dedication to promoting global learning, cross-cultural academic cooperation, and sectoral integration in energy, education, and humanitarian development.

Further strengthening internal academic leadership, the Senate approved the appointment of Chairpersons across NSU's academic departments, reinforcing departmental autonomy and enhancing instructional oversight.

In support of national higher education initiatives, the Senate allocated dedicated space on campus for the Higher Education Development in Pakistan (HEDP) Project, signifying NSU's role as a key partner in federally driven higher education reforms.

The Senate also approved tenders and authorized the procurement of equipment for various laboratories, ensuring that the university's practical and skills-based learning environments are aligned with current technological standards and industry demands.

A hallmark decision of this session was the approval to establish the

NSU Sub-Campus in Muridke, District Sheikhpura. This decision expanded NSU's geographical outreach and increased access to skills-based higher education in underserved regions. In line with this strategic direction, the Senate also constituted a committee to provide a feasibility report for establishing another proposed sub-campus in Bibi Pak Mithan, Seedpur, Tehsil Alipur, District Muzaffargarh. These expansions are vital to bridging regional disparities in education and skills development.

In governance matters, the Senate formally approved the constitution of the NSU Syndicate, the university's principal executive body, marking a milestone in the full operationalization of statutory authorities. The Senate also ratified the election procedures for appointing university teachers and three professors as members of the Senate and Syndicate, thereby ensuring democratic representation and faculty engagement in institutional decision-making.

The Senate endorsed regulations proposed by the Academic Council in its first meeting on June 16, 2022, affirming academic policy coherence across the institution. Additionally, the recommendations of the 1st and 2nd Finance and Planning Committee meetings held on November 23, 2022, and February 13, 2023, were approved,

ensuring financial prudence and strategic resource planning.

As part of its broader statutory responsibilities, the Senate recommended panels of candidates for appointment as Senate members under clauses (f) and (g) of Section 17 of the NSU Act 2018, forwarding these to the Chancellor for final approval. This step reaffirmed the university's commitment to transparent and participatory governance.

Lastly, to ensure regulatory alignment and procedural clarity, the Senate approved the adoption of the Statutes of Mir Chakar Khan Rind University of Technology, Dera Ghazi Khan, specifically those relating to employee appointments, terms, and conditions of service. This decision provided a tested and legislatively compliant framework for personnel governance at NSU.

This fifth Senate meeting stands as a landmark in NSU's evolution. It emphasizes robust governance, equitable expansion, strategic partnerships, and a clear commitment to academic excellence through inclusive and responsive policy formulation.

### **Sixth Meeting of the Senate – July 3, 2023**

***Presided Over by Mr. Rana Tanveer Hussain, Federal Minister for Education & Professional Training and Pro-Chancellor***

## *of the University*

The sixth statutory meeting of the Senate of the National Skills University Islamabad (NSU) marked a period of academic consolidation and institutional identity-building, reflecting a pivotal phase in the university's transition from its foundational project framework to a sustainable, regularized institutional model.

The Senate commenced by approving the appointments of core teaching staff, following the recommendations of the 1<sup>st</sup> and 2<sup>nd</sup> Selection Board meetings. These appointments provided the university with a solid academic base for the commencement and delivery of degree programs aligned with NSU's applied and technical mandate.

In a significant human resource decision to strengthen the Department of Management Sciences, the Senate formally appointed Ms. Tayyaba Iqbal, d/o Muhammad Iqbal Javaid, as a Lecturer (BPS-18) on a two-year contractual basis. This appointment was made against a vacant post of Associate Professor, underscoring the university's flexibility in rationalizing appointments based on evolving departmental needs and talent availability.

From a regulatory standpoint, the Senate referred the comprehensive draft of the university's Statutes to the Ministry



6<sup>th</sup> Senate Meeting of the National Skills University Islamabad

of Federal Education and Professional Training (MoFE&PT) for review. This move was essential in aligning NSU's legal and institutional framework with federal oversight and preparing the university for its full-scale transition to an autonomous public sector institution under the NSU Act.

In a symbolic and strategic gesture, the Senate approved renaming the NSU Muridke Campus the "National Skills University Islamabad—Sarmad Tanveer Campus, Muridke." This act reinforced the university's geographic expansion and honored local leadership and support instrumental to the campus's establishment.

In recognition of his extraordinary contributions as the founding Vice Chancellor and architect of the university's vision, Professor Dr. Muhammad Mukhtar was appointed Professor Emeritus for ten (10) years. This rare and prestigious designation reflected the Senate's acknowledgment of Prof. Mukhtar's

transformative leadership and enduring academic influence.

Further faculty expansion included the appointment of Mr. Muhammad Younas, s/o Muhammad Yousaf, as Lecturer in Islamic Studies (BPS-18). The appointment was made under Section 43(1) of the NSU Act 2018, filling the vacant post of Assistant Professor in the Department of General Studies. This pragmatic move highlighted the Senate's commitment to ensuring instructional continuity across all academic disciplines.

Given the university's ongoing institutional transition, the Senate approved the retention of NSU's core administrative and academic staff on a contract basis. This decision was crucial for maintaining operational and academic stability when the university shifted from a project-funded entity to a fully regularized public institution. Preserving institutional memory and sustaining programmatic momentum ensured that the university's mission delivery would not be disrupted during transitional restructuring.

This sixth Senate meeting underscored the university's deliberate, strategic approach to growth, characterized by thoughtful appointments, institutional recognition, regulatory compliance, and symbolic campus development. It exemplified the Senate's role in guiding the university's policies and shaping its

legacy and long-term academic culture.

### **Seventh Meeting of the Senate – December 21, 2023**

*Presided Over by Dr. Arif Alvi, President of the Islamic Republic of Pakistan and Chancellor,*

The seventh meeting of the Senate of the NSU was convened at a crucial juncture of institutional consolidation and leadership transition. This session signified the university's unwavering commitment to transparent governance, academic innovation, strategic partnerships, and national visibility.

A landmark resolution during the meeting was the approval of Statutes governing the constitution of the Search Committee, terms and conditions of service, and the formal procedure for appointing the Vice Chancellor. This action reflected the Senate's resolve to ensure procedural transparency and merit-based selection for the university's highest academic and executive offices. Simultaneously, a Statutes Review Committee was constituted to periodically revisit, refine, and align the university's regulatory framework with contemporary academic governance standards.

Demonstrating an enduring commitment to academic diplomacy and societal outreach, the Senate approved several Memoranda of Understanding (MoUs)

executed with the following national and civic organizations:

1. National University of Modern Languages (NUML)
2. Elite Sports Pakistan (Private) Limited
3. Rotary Club of Islamabad (Metropolitan), District 3272
4. Rotary International Districts 3272 and 3271

In a pragmatic operational decision, the Senate delegated financial and administrative powers to the Registrar to oversee routine institutional affairs in the absence of the Vice Chancellor. This provision ensured continuity in leadership and upheld administrative efficiency.

In alignment with NSU's growing national stature, the Senate approved the establishment of the Executive Development Center at the university. This center is envisioned as a think tank and training hub for leadership development, corporate engagement, and public policy innovation.

On faculty welfare matters, the Senate approved extending study leave for Engr. Sadia Khan (from April 5, 2023, to April 4, 2024) on half average pay, continuing its support for academic and professional growth.

A formal letter of appreciation was conveyed to Prof. Dr. Muhammad Mukhtar, the university's founding Vice Chancellor, in recognition of his visionary leadership and foundational contributions. His stewardship since its inception has been widely credited with transforming NSU into a nationally respected institution of skills-based higher learning.

The Senate further approved the appointment of Chairpersons across Academic Departments. It endorsed the appointments of faculty and administrative staff (BPS-17 and above) based on recommendations from the 4th and 5th Selection Board meetings. These appointments addressed the university's expanding academic and administrative requirements, ensuring excellence and continuity.

In an essential procedural move, the Rules of Business for Senate meetings were recommended to the Syndicate for approval, formalizing this apex governing body's legislative and procedural conduct.

After his tenure, Prof. Dr. Muhammad Mukhtar was reappointed as Vice Chancellor under Section 12 of the NSU Act until a regular Vice Chancellor assumed office. This reappointment assured institutional continuity during the leadership transition.

The Senate approved recommendations of the 3rd Finance & Planning Committee

meeting held on June 22, 2023. It ratified regulations proposed by the 2nd Academic Council meeting held on October 18, 2023, ensuring robust alignment between academic priorities and financial planning.

Reflecting its responsiveness to emerging global skills, the Senate approved short courses in Data Science, Artificial Intelligence, and Blockchain Technology, positioning NSU at the forefront of Fourth Industrial Revolution education in Pakistan.

One of the meeting's most visionary initiatives was designating NSU as a national hub for translating and airing National Geographic and Discovery Channel content in Urdu. A dedicated committee was constituted to explore this center's operational and strategic viability. This groundbreaking project positions NSU as a cultural and educational bridge, advancing scientific literacy and inclusive knowledge dissemination across Pakistan.

The Senate endorsed collaborations with Pak-China Huazi Green Energy (Private) Limited and the Pakistan Institute of Fashion and Design, extending NSU's engagement with emerging green technologies and the creative economy.

Institutional governance was further strengthened by including a Higher Education Commission (HEC)

representative as a co-opted member of the Academic Council, reflecting the university's commitment to regulatory alignment and academic integrity.

Lastly, the Senate extended the contract period of core administrative staff (BPS-17 and above), ensuring smooth administrative functionality and retention of institutional expertise during critical transitional phases.

This seventh meeting of the Senate demonstrated a mature and forward-looking governance model, reinforcing NSU's evolving role as a nationally engaged, globally aware, and institutionally resilient university at the intersection of innovation, access, and excellence.

### **Eighth Meeting of the Senate – September 9, 2024**

***Chaired by Mr. Mohyuddin Ahmad Wani, Secretary, Ministry of Federal Education and Professional Training (MoFE&PT), Nominee of the Chancellor***

The eighth meeting of the Senate of the National Skills University Islamabad (NSU) continued the university's momentum toward institutional maturity, strategic expansion, and policy innovation. Held under the stewardship of the Federal Secretary for Education, the session underscored NSU's national leadership in advancing applied knowledge, research

integration, and regionally inclusive access to quality skills education.

In a transformative move, the Senate approved the establishment of the Office of Research, Innovation, and Commercialization (ORIC) at NSU. This office is designed to foster a culture of inquiry and enterprise by facilitating research partnerships, promoting faculty innovation, supporting intellectual property development, and commercializing academic outputs. ORIC is a critical mechanism aligning NSU with national knowledge economy goals and the Higher Education Commission's policy framework.

Complementing this, the Senate also approved the establishment of an Estate Care Department, tasked with overseeing the university's physical infrastructure, environmental sustainability, and maintenance of campus assets. This department will ensure long-term campus stewardship and provide the support infrastructure necessary for NSU's expanding academic and operational footprint.

On faculty development and human resources, the Senate granted an extension of study leave for Engr. Sadia Khan, effective from April 5, 2024, to October 4, 2024, on half average pay, continuing the university's support for professional development within

academic ranks. Further emphasizing a commitment to employee welfare and institutional inclusivity, the Senate approved maternity and paternity leave cases submitted by university employees, ensuring alignment with international best practices in gender equity and work-life balance.

In a decision to reinforce departmental leadership, the Senate approved the appointment of the Chairperson for the Department of Management Sciences, strengthening academic management and oversight within one of the university's core faculties.

A significant session milestone was the Senate's approval to establish a National Skills University Sub-Campus in Karachi. This decision extended NSU's geographic presence to Pakistan's most important metropolitan and economic hub, enabling the delivery of industry-responsive education in an urban context with significant demand for skill development.

In a move reflective of NSU's national outreach agenda, the Senate also approved the establishment of the NSU High Impact Study Center at Government Degree College Ali Abad, Hunza. This center will offer short courses and diploma programs to empower local populations with market-relevant competencies, reaffirming NSU's mission

to democratize access to high-quality technical education in underserved areas.

In a pivotal governance development, the Senate approved the complete Statutes of the National Skills University Islamabad, thereby providing a comprehensive legal and operational framework for all institutional functions, including academic processes, administrative policies, service regulations, and procedural conduct.

Further, the Senate ratified the recommendations of the 4th and 5th Finance & Planning Committee meetings, held on May 2, 2024, and August 12, 2024, respectively. These approvals confirmed the university's continued fiscal discipline, transparent procurement, and evidence-based budgetary planning.

Finally, in a major administrative leadership decision, the Senate approved the appointments of the Registrar and Treasurer, based on the recommendations of the 6th Selection Board. These senior officials were appointed for three (03) years, providing institutional stability and

professional continuity in key financial and academic governance roles.

This eighth Senate meeting of the National Skills University Islamabad demonstrated a refined institutional vision—balancing academic development, regulatory rigor, faculty welfare, and strategic national outreach. Through decisive action and visionary leadership, the Senate continues to advance NSU's trajectory as a modern, inclusive, and high-impact university for skills-based learning and innovation in Pakistan.

Throughout eight rigorous meetings, the Senate has laid the institutional and academic scaffolding for NSU as a progressive institution in Pakistan's higher education landscape related to learning skills, in line with emerging technologies. Through deliberate governance, strategic partnerships, and a vision of societal upliftment through skills, NSU continues to define a new paradigm of inclusive, innovation-driven, and nationally responsive university education.



8<sup>th</sup> Senate Meeting of the National Skills University Islamabad

# Engineering the Vision2025 of the National Skills University Islamabad

Establishing the National Skills University Islamabad (NSU) is not a serendipitous government initiative or a haphazard experiment in vocational training. Instead, it resulted from a meticulously crafted strategic blueprint that combined economic pragmatism with academic foresight and social equity. At the heart of this transformation was Mr. Ashir's leadership, whose planning documents, first shared with the NSU Senate, chaired by the President of the Islamic Republic of Pakistan, revealed a multidimensional vision rarely seen in South Asian higher education reform.

## **The Stakeholder Symphony:**

As a member of the NSU Senate, before laying bricks or admitting students, Mr. Ashir set out to do something fundamentally different: forge consensus among various stakeholders, federal ministries, educators, industry leaders, donor agencies, and civil society organizations. His team's mantra was clear: "More businesses and initiatives fail due to lack of alignment and understanding among stakeholders." To succeed, NSU had to avoid this fate.



**Architect of  
NSU Vision2025**

## **The Vision for a Technical Ivy League in Pakistan:**

The university's Vision 2025 plan, approved by the Chancellor and Senate in 2020, did not mince words. NSU aspired to "achieve excellence in technical skills-based education" by offering innovative, market-aligned diplomas, certificates, and degrees. But more than that, it pledged to function as a meritocratic, inclusive, and accessible institution, "ensuring that an individual gets admitted without his/her ability to pay." Unlike traditional universities focused on ivory-tower research, NSU aimed to embed itself in Pakistan's economic machinery. With programs tethered to key GDP sectors, from

agriculture and manufacturing to services and technology.

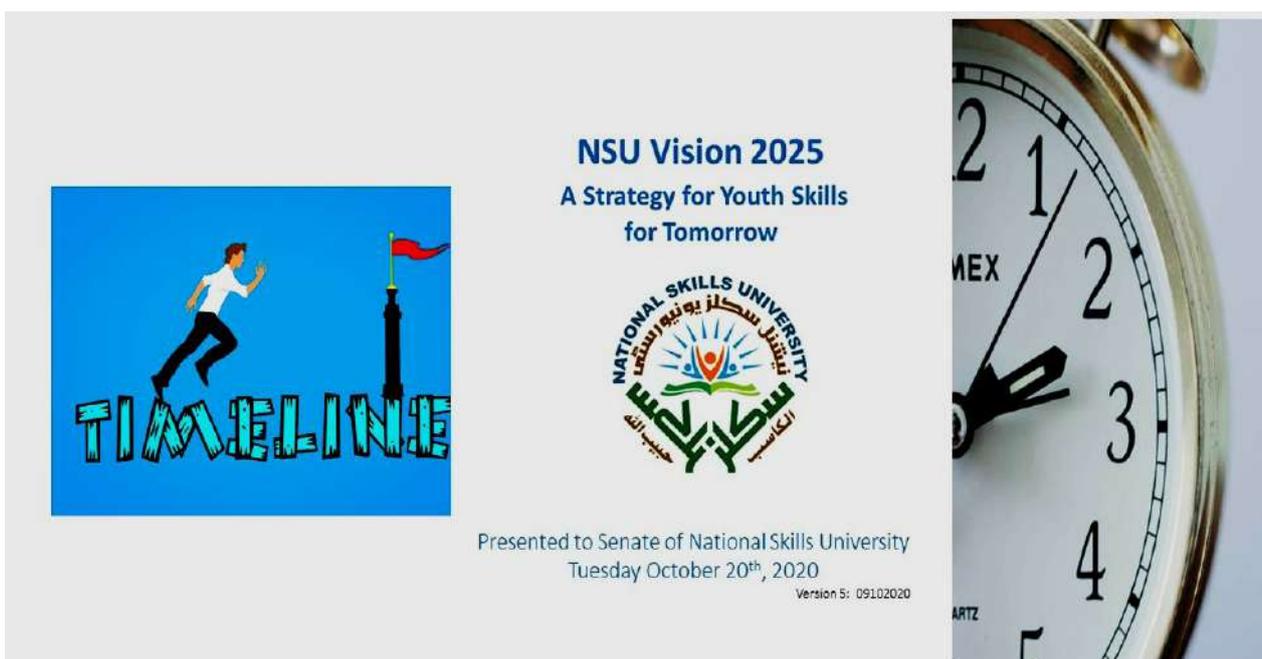
**Global Learning in Local Context:**

Mr. Ashir’s planning drew inspiration from vocational education models around the world. Germany’s dual education system, “SkillsFuture” of Singapore initiative, Malaysia’s Technical and Vocational Education and Training (TVET), and Turkey’s hybrid learning pathways were studied and adapted. However, NSU was not merely a copy-paste project. Rather than replicate, NSU reimagined itself. For instance, its proposed Department of Information Engineering would not just teach the basics of AI, data science, or cybersecurity; they would operate on an interdisciplinary model, blending STEM disciplines with business, ethics, and design.

**A Pragmatic Launch Strategy:**

The strategy’s brilliance lay in its phased rollout. By 2021, NSU started offering undergraduate and certificate programs in key technical fields, such as construction, electrical and mechanical engineering, and medical laboratory technology.

The infrastructure plan was equally ambitious. Future blueprints included a pedestrian-friendly campus, bicycle paths, canteens, green spaces, residential places for faculty, high-tech classrooms, and innovation hubs such as the Office of Research, Innovation and Commercialization (ORIC) and a dedicated Directorate of Skills Development. An entire campus ecosystem, physical, intellectual, and social, was envisioned to support 24/7 student life.



### **Futuristic Curricula:**

The most compelling aspect of the NSU strategy was its curriculum foresight. While South Asian universities continue to churn out graduates in oversaturated fields, NSU charted a different path. It mapped its program offerings to global trends and domestic market data, a rare alignment. Its planned course catalog reads like a syllabus from Silicon Valley: Artificial Intelligence, Data Engineering, Cybersecurity, Mobile Manufacturing Technology, Extended Reality, Blockchain, and Cloud Computing, all to be rolled out within five years. Mr. Ashir's team described each and every task to be accomplished in the NSU Vision 2025 within five years.

### **NSU Vision 2025 Outcomes:**

Accomplishments over the past five years have proved that NSU Vision 2025 was a guiding light for continued progress in the university. The Founding Vice Chancellor, Prof. Dr. Muhammad Mukhtar, believes that raising the university in the backdrop of NSU Vision 2025 was a unique experiment. He thinks this success story is worth replicating for the new institution. An industrial strategist with a keen understanding of economic drivers and workforce gaps, Mr. Ashir led NSU's planning effort with business discipline, academic insight, and a deep belief in youth empowerment.



**NSU Vision2025 Committee Members**

# Advisory Council at the National Skills University, Islamabad

In Pakistan's evolving higher education sector, the National Skills University (NSU) Islamabad has emerged as a visionary institution with a singular mandate: to equip young people with employable, market-aligned skills and transform their potential towards the country's socio-economic growth. Yet, this pioneering ambition does not stand alone. Behind the university's steady rise and strategic relevance lies a lesser-known but immensely influential force, the NSU Advisory Council. The Advisory Council of the National

Skills University is the institution's living conscience and public voice. Functioning at the confluence of academia, industry, governance, and civil society, this Council plays an instrumental role in advising, actively shaping the university's direction, strengthening its connections, and expanding its influence across multiple national and international society strata.

## **Guardians of NSU Vision2025**

Established to champion the university's



Thanks to Advisory Council Particularly Mr. Kamran Nishat for Donating 50 Computers for this IT Lab at the NSU



Dr. Waqar Ahmad  
Economist/SDPI



Dr. Shehla J Akram  
Don Valley



Mr. Adnan A Ali  
Businessman



Mr. Shamama Arbab  
Chamber of Commerce



Mr. Zahid Asghar  
COMCON



Mr. Zohai Ashir  
AASA Consulting



Mr. Aziz Boolani  
Hospitality/SERENA



Prof. Dr. Iqbal Ch.  
COMSTECH



Mr. Raza Chinoy  
Entrepreneure



Mr. Shahid Khan  
Technologist



Prof. Dr. M Mukhtar  
Vice Chancellor



Mr. Kamran Nishat  
Muller & Phipps



Mr. Asif Peer  
System Ltd.



Mr. Kanwar Saeed  
KAMAYAI



Mr. Kaleem Siddiqui  
Architect



Mr. Mazhar Valjee  
House of Habib

mission of skills-based education, the Council's Terms of Reference spell out its core objective: to advise, advocate, and amplify NSU's reach across diverse sectors. This translates

into a dynamic blend of strategic counsel, community engagement, and hands-on collaboration. Whether forging partnerships with industrial powerhouses or guiding the curriculum

to mirror market needs, the Council operates as both compass and catalyst. NSU Advisory Council members, drawn from business, academia, government, and the social sector, are not only advisors in the traditional sense but active contributors who embody the values of public service and national development. This council has been led by Mr. Mazhar Valjee, who has experience in leading the automotive industry in the country.

The NSU Advicosy Council continued meeting with the members and stakeholders was crucial in moving the NSU Vision2025 forward.

### **Translating Strategy into Structure**

Within its short yet vibrant tenure, the Advisory Council has already left an indelible mark on NSU's institutional landscape. Thanks to the collective efforts of its members, the university now boasts a functional IT laboratory equipped with 50 computers generously donated through Council initiatives. The Advisory Council, too, mobilized resources for the university's digital mapping and surveying, an essential step toward effective master planning.

Beyond infrastructure, the Council has infused the university's academic offerings with industrial relevance. Members have been directly



National Skills University Islamabad Advisory Council Members Visit the National Skills University Islamabad

involved in designing curricula for contemporary short courses and vocational certifications, ensuring that NSU graduates are qualified and ready to contribute from day one.

### **Voices of Leadership, Actions and Commitment**

A turning point in the Council's journey came when Mr. Zohair Ashir, a Senate and Advisory Council member, delivered a comprehensive briefing on its achievements and roadmap. His account underlined the Council's key role in building strategic relationships with national and international partners.

Among numerous others, a notable alliance with Systems Limited, led by CEO Mr. Asif Peer, has been formed. In a move that reflects the Council's commitment to digital empowerment, Systems Limited has committed to training students annually through a joint "Professional Programming Diploma" with NSU. Faculty from the university will deliver theoretical instruction, while Systems Limited provides industry-standard practical training. Notably, the curriculum was designed entirely with input from Systems Limited,

ensuring alignment with real-world industry expectations. Likewise, Mr. Aziz Boolani and his team have developed a practically oriented hospitality management undergraduate program.

### **A Model of Multi-Sectoral Cooperation**

The spirit of collaboration doesn't end with education. Mr. Shahid Khan of International Consulting Associates guided the university in actively promoting public-private partnerships, a key strategy that promises a bright future for NSU and its students.



System Ltd highlights its Senior Official Visit to the NSU

The Advisory Council's commitment to shaping the university's physical infrastructure is equally commendable. Mr. Kalim A. Siddiqui of KS & Associates led the completion of NSU's digital survey, all supported by the advisory council members. This led to a foundation stone for a comprehensive master plan divided into immediate, medium, and long-term goals. The process, steered with precision, was initiated in strict accordance with Pakistan Public Procurement Regulatory Authority (PPRA) rules, reflecting the Council's commitment to transparency and best practices.

### **An Incubator for Ideas**

#### **A Platform for Change**

The Advisory Council continuously supports the university in multiple domains. Whether championing NSU's messaging in their spheres of influence or identifying donors and philanthropic avenues for support, its members are reimagining what a university can achieve when unshackled from traditional silos.

Notably, women comprise at least four

of the Council's members, reflecting NSU's inclusive ethos. Their diverse expertise adds richness to Council deliberations and ensures that gender perspectives are embedded into the university's strategic blueprint.

### **The Unsung Engine Behind an Emerging Institution**

At a time when Pakistan is grappling with youth unemployment and the need for technology-driven progress, the NSU Advisory Council stands out as a working model of excellence, relevance, and service. Its influence is felt not only in academic corridors but also in industrial boardrooms, civil society events, and government policy dialogues. As the National Skills University continues its march forward, it is vital to recognize the quiet but transformative work of this Advisory Council. They are not merely observers but co-architects of a future in which Pakistani youth are not just educated but empowered. In doing so, they remind us that meaningful change in education does not come from policy papers alone. It comes from partnership, passion, and people, precisely the forces that define the NSU Advisory Council.

# National Skills University Islamabad

## Governance and Administration

Governance at NSU encompasses strategic oversight and policy-making responsibilities, ensuring the university's alignment with its mission and compliance with national educational standards. Key governance bodies include:

- Senate
- Syndicate
- Academic Council
- Finance & Planning Committee

Administration refers to the execution of policies and the day-to-day management of the university's operations. Key administrative roles include several Principal Officers including:

1. Chancellor (The President of Pakistan)
2. Pro Chancellor (Federal Minister for

Education & Professional Training)

3. Vice Chancellor
4. Deans
5. Director of the Campuses
6. Chairperson of the Departments
7. Registrar
8. Treasurer
9. Controller of Examination
10. Individuals designated as Principal Officers through University Statutes and Regulations

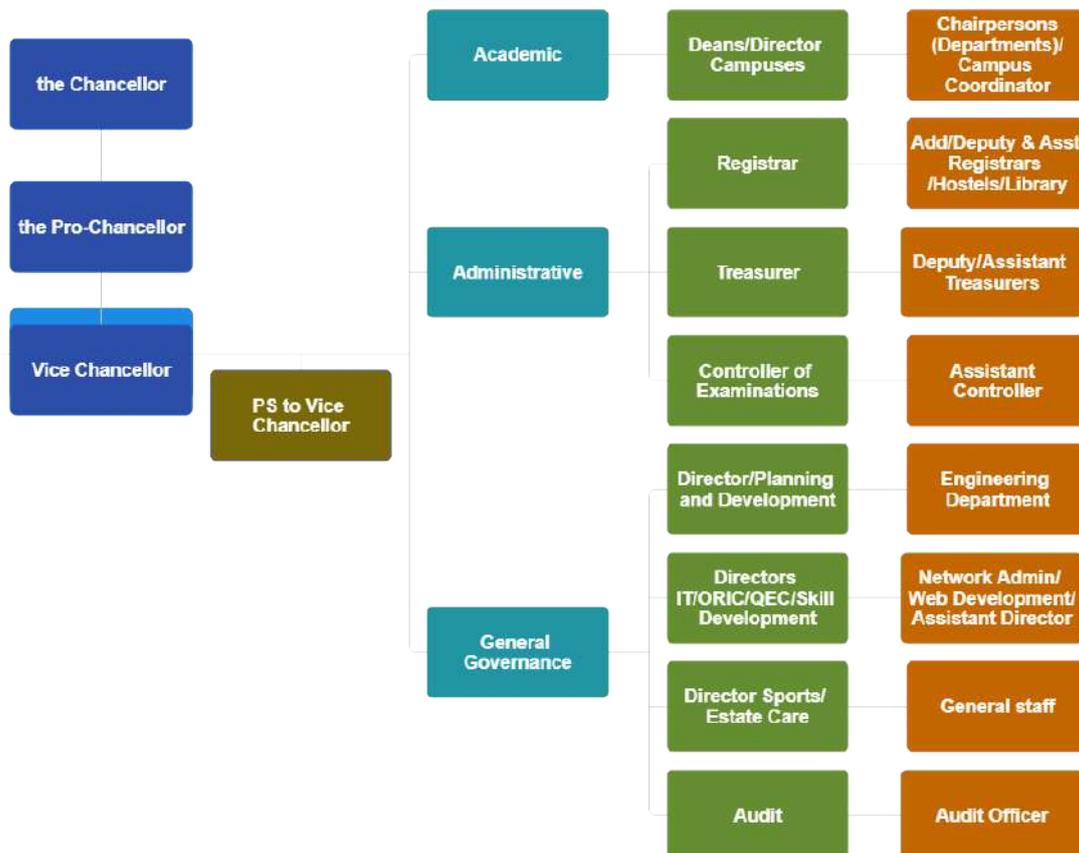
# Principle Officers of the NSU

*A Vice-Chancellor is the guiding force of a university, shaping its vision, fostering innovation, and ensuring education aligns with job market demands, empowering students and faculty to drive academic excellence and societal progress.*

The National Skills University Islamabad (NSU) is a federally chartered university in Islamabad, Pakistan. It provides education and skills aligned with contemporary technologies. Established through Act No. VIII of 2018, on March 12, 2018, by

upgrading the National Institute of Science and Technical Education (NISTE), Islamabad, marks a significant transformation in technical and vocational education.

The President of the Islamic Republic of Pakistan serves as the Chancellor of NSU and chairs the University Senate, ensuring its alignment with national educational policies. The Federal Minister for Education and Professional Training holds the position of Pro-Chancellor in an ex-officio capacity, further



strengthening the university's governance structure.

The Vice-Chancellor, appointed by the Chancellor, is the university's chief executive officer, responsible for overseeing administrative and academic operations and is responsible for ensuring compliance with the University Act, Statutes, Regulations, and Rules, fostering institutional excellence and maintaining the highest standards of academic integrity and operational efficiency.

In addition to the Chancellor, Pro-Chancellor, and Vice-

Chancellor, the university's leadership includes Deans of faculties, Directors of campuses, Chairpersons of departments, Registrar, Treasurer, Controller of Examinations, and other officers as prescribed by University Statutes and Regulations.

These officials play a pivotal role in driving the university's mission by advancing skills-based education, fostering innovation, and aligning student development with evolving industry needs. Their collective expertise ensures graduates are equipped with cutting-edge competencies essential for success in the modern

## **Authorities of the NSU**

# How NSU Works?

***“A university flourishes through the vision of its Vice Chancellor, the order of its Registrar, the integrity of its Treasurer, and the fairness of its Controller, each vital to academic and administrative excellence.”***

***Prof. Dr. Muhammad Mukhtar, Founding Vice Chancellor NSU***



Supervised by the Vice Chancellor, the Registrar, Treasurer, and Controller of Examinations play pivotal roles in the administration of the university. The Registrar oversees academic governance and records, the Treasurer manages financial planning and accountability, and the Controller ensures the fair and efficient conduct of examinations. Together, they ensure operational effectiveness and uphold institutional standards.

## Registrar's Office

With the assumption of charge by the Founding Vice Chancellor in October 2019, the National Skills University Islamabad embarked on its transformative journey toward becoming a center of excellence in skills-based education. Among the most critical and challenging administrative roles during this foundational phase was that of the Registrar. While several individuals have served in this capacity with commendable dedication, the exceptional early contributions of Engr. Sumaira Zaheen and Mr. Muhammad Ali Wallana deserve particular recognition. As the University's first Registrar, Engr. Zaheen demonstrated remarkable leadership and institutional insight. Succeeding her, Mr.

Wallana, a seasoned academic governance professional, brought a wealth of experience and strategic vision. His tenure, marked by his concurrent roles as Registrar and Director of Planning & Development, was instrumental in consolidating institutional structures and advancing long-term developmental goals. According to the Founding Vice Chancellor, Mr. Wallana assisted his office in laying the groundwork for academic governance and administrative protocols. His efforts were also pivotal in shaping the University's operational framework. Currently, the Registrar's office is led by Dr. Syed Hafeez Ahmad, who continues to uphold the high standards set by his predecessors.



**Engr. Sumaira Zaheen**

Oct 2019 - May 2020



**Muhammad Ali Wallana**

June 2020 - Aug 2021  
Jan 2021 - May 2022  
July 2023 - June 2024



**Dr. Muhammad Hanif**

Sept 2021 - Dec 2021



**Dr. Sarwat N Mirza**

June 2022 - June 2023



**Salman Mirza**

July 2024 - Sept 2024



**Dr. Syed Hafeez Ahmad**

Oct 2024 - Current

# Financial Management

At the National Skills University (NSU), the Treasurer’s Office is a cornerstone of institutional integrity and fiscal leadership. As the university’s Chief Financial Officer, the Treasurer, appointed by the Senate upon the recommendation of the Vice Chancellor, holds a statutory position that demands professional expertise in finance and accounting and a deep understanding of higher education governance and long-term economic strategy.

The office is committed to advancing the university’s financial mission through a disciplined, transparent, and strategic approach to resource management.

Financial stewardship at NSU is viewed not as a routine administrative function but as a vital enabler of academic innovation, research excellence, and societal impact.

## Strategic Financial Leadership

The Treasurer’s Office aligns its financial planning with the university’s overarching mission: to build a resilient, future-ready institution that meets a rapidly evolving society’s educational and economic demands. We embrace globally recognized endowment and investment models to diversify revenue streams, strengthen financial sustainability, and reduce reliance on traditional public sector funding. At the heart of our economic strategy is a commitment to agility,



**Dr. Amina Nadir**

Oct 2019 – May 2020



**Mr. Ejaz Hussain**

May 7, 2020 – July 3, 2024



**Dr. Nadeem Iqbal**

July 4, 2024 – October 10, 2024



**Muhammad Ali Qader**

October 11, 2024 – Current

preparing NSU to navigate fiscal challenges while capitalizing on emerging opportunities.

As the university expands its footprint in the technical and vocational education landscape, the Treasurer's Office continues to play a transformative role, ensuring that each financial decision balances strategic ambition and fiscal responsibility.

### **Governance, Accountability, and Transparency**

Financial management at NSU is based on transparent governance, guided by national regulations and international best practices. Our budgeting and planning frameworks are evidence-based, and resource allocation processes are designed to support academic priorities, infrastructure development, and capacity building.

The Treasurer is entrusted with the comprehensive oversight of the university's finances, assets, liabilities, income, expenditures, funds, and investments, ensuring prudent financial administration that supports long-term institutional goals.

Per the Higher Education Commission (HEC) procedures, the Treasurer's Office prepares annual and periodic budget estimates for review by the Finance and Planning Committee (F&PC) and Syndicate, culminating in a formal presentation to the Senate. This rigorous

process ensures that all governmental and self-generated funds are judiciously allocated and spent in line with their designated purposes.

### **Institutional Through Financial Strength Resilience**

The Treasurer's Office continues to spearhead efforts to build financial self-reliance at NSU by generating internal revenue streams, securing competitive grants, and cultivating industry partnerships. The goal is to create a balanced financial ecosystem that supports the university's immediate needs and lays the groundwork for strategic expansion and excellence in years to come.

A vital part of our responsibilities includes facilitating the university's annual audit process, ensuring the timely submission of audited financial statements to the Senate by statutory timelines. These practices reinforce our dedication to transparency, audit readiness, and regulatory compliance.

### **A Team of Committed Professionals**

Behind the office's financial achievements is a dedicated team of professionals, each bringing academic distinction and professional experience from nationally and internationally recognized institutions. Their collaborative efforts enable the Treasurer's Office to uphold the highest financial management standards, institutional planning, and operational efficiency.

Financial Overview: A Snapshot of Institutional Growth Over the past four fiscal years, NSU has maintained a steady trajectory of financial discipline and operational growth. The following section provides a category-wise breakdown of key economic indicators, demonstrating our ongoing commitment to accountability, transparency, and strategic resource utilization.

### I. PSDP-Funded Development Project

In alignment with funding mechanisms available to public sector universities in Pakistan, the

National Skills University Islamabad receives financial support from the Government of Pakistan through the Higher Education Commission (HEC).

Unlike several other institutions, the National Skills University did not inherit any financial resources or endowment from its predecessor, the defunct National Institute of Science and Technical Education (NISTE). Recognizing the strategic importance of establishing Pakistan's first skills-focused university, the HEC approved a Public Sector Development Programme (PSDP) project titled:

| Releases from the HEC      |                    |                    |                    |                    |
|----------------------------|--------------------|--------------------|--------------------|--------------------|
| Financial Year             | 2023-24            | 2022-23            | 2021-22            | 2020-21            |
| HEC Grant                  | 130,000,000        | 370,051,000        | 257,821,000        | 172,933,252        |
| Expenditure                |                    |                    |                    |                    |
| Faculty Development        | 859,000            | -                  | 141,000            | 119,000            |
| Land Cost                  | -                  | 25,038,000         | -                  | -                  |
| Infrastructure Development | 91,996,000         | 17,536,000         | 78,025,000         | 6,261,000          |
| Lab Equipment              | 595,000            | 47,807,000         | 20,364,000         | 16,000,000         |
| Office Automation          | 1,138,000          | 3,119,000          | 2,795,000          | 2,347,874          |
| Furniture & Fixture        | -                  | 8,857,000          | 4,383,000          | 4,315,000          |
| Operational Transport      | -                  | 370,000            | 4,850,000          | 29,590,000         |
| Project Coordination Unit  | -                  | 1,470,000          | 771,000            | 379,000            |
| Operational Cost           | 33,522,000         | 258,802,000        | 114,862,000        | 29,345,378         |
| Books & Journal            | -                  | 551,000            | 8,704,000          | 4,756,000          |
| Chemical                   | -                  | 4,382,000          | 1,010,000          |                    |
| Consultancy                | -                  | -                  | -                  | 9,999,000          |
| Contingencies              | 1,890,000          | 2,119,000          | 21,865,000         | 24,000,000         |
| <b>Total Rs.</b>           | <b>130,000,000</b> | <b>370,051,000</b> | <b>257,770,000</b> | <b>127,112,252</b> |

## II. Recurring Budget

In alignment with the funding mechanism for public-sector universities, the National Skills University Islamabad (NSU) receives its operational funding through the Government of Pakistan via the Higher Education Commission (HEC). The recurring budget is designed to support the University's short-term operational needs and the acquisition of essential assets that contribute to institutional capacity and performance. The University formulates and submits a detailed recurring budget proposal to the HEC each fiscal year, reflecting its operational requirements. The funding allocations from HEC to NSU over recent years have been as follows:

**Rs. 13 million in FY 2020–21**

**Rs. 8 million in FY 2021–22**

**Rs. 50 million in FY 2023–24**

Although the initial base grant was modest, the pattern of allocations indicates a steady increase in support. These recurring grants have been instrumental in maintaining the University's day-to-day functions and enabling the gradual expansion of its infrastructure and services.

## III. Self-Generated Funds

The National Skills University Islamabad (NSU) supplements its financial resources through self-generated

income, including student semester fees, hostel charges, and miscellaneous service revenues. These internal revenue streams support the University's operational and developmental needs beyond government allocations.

As a public sector institution, NSU manages employee-related statutory funds, including the Pension Fund, General Provident (G.P.) Fund, and Benevolent Fund. In accordance with federal government regulations, contributions to the G.P. and Benevolent Funds are deducted from the monthly salaries of regular employees and credited to designated accounts.

To ensure long-term financial sustainability for retiring employees, the University has established a Pension Fund, with an initial allocation of Rs. 5,000 million. This strategic step reflects NSU's commitment to institutionalizing employee welfare.

Over the financial years 2020–21, 2021–22, 2022–23, and 2023–24, the University has witnessed a steady increase in self-generated revenues, indicating a positive trajectory in financial growth and institutional maturity. The following table provides a detailed breakdown

of revenue streams and associated expenditures during these years.

| <b>Revenues/Receipts:</b>               |                    |                    |                    |                   |
|---|--------------------|--------------------|--------------------|-------------------|
| <b>Financial Year</b>                   | <b>2023-24</b>     | <b>2022-23</b>     | <b>2021-22</b>     | <b>2020-21</b>    |
| Opening Balance                         | -                  | 113,360,000        | 45,175,000         |                   |
| HEC Grant                               | 50,000,000         | -                  | 8,000,000          |                   |
| Green Youth Movement Club               | -                  | -                  | 200,000            |                   |
| Grant For Mini Gym Club                 | -                  | -                  | 1,500,000          |                   |
| HEDP Endowment Fund                     | -                  | -                  | 51,900,000         |                   |
| Grant For University Development Office | -                  | -                  | 2,000,000          |                   |
| IPFP Fellow                             | -                  | -                  | 400,000            |                   |
| Tuition Fee                             | 56,226,000         | 36,396,000         | 15,478,000         | 8,618,432         |
| Admission, Registration & Other fees    | 28,805,000         | 11,908,000         | 4,478,000          | 2,493,432         |
| Other Incomes                           | 40,676,000         | 32,608,000         | 11,049,000         | 6,152,284         |
| <b>Total</b>                            | <b>175,707,000</b> | <b>194,272,000</b> | <b>140,180,000</b> | <b>17,264,148</b> |
| <b>Payments:</b>                        |                    |                    |                    |                   |
| Employee Related Expenses               | 118,590,000        | 11,821,000         | 13,034,000         | -                 |
| Non- Employee Related Expenses          | 124,991,000        | 114,577,000        | 13,786,000         |                   |
| Total (ERE & NON-ERE)                   | 243,581,000        | 126,398,000        | 26,820,000         | -                 |
| <b>Surplus/Deficit</b>                  | <b>-</b>           | <b>67,874,000</b>  | <b>113,360,000</b> | <b>17,264,148</b> |

#### **IV. Balance Sheet**

The balance sheet provides a comprehensive snapshot of the National

Skills University Islamabad's financial position. It offers valuable insights into the institution's short-term liquidity and long-term economic sustainability.

With financial support from the Higher Education Commission (HEC) and consistent growth in self-generated revenues, the University is backed by a diversified funding portfolio, including:

- Tuition fees
- Recurring grants
- Developmental grants
- Rental Income

Other institutional earnings Through the implementation of robust and

compliant financial policies, NSU has successfully maintained a stable asset base, ensured fiscal discipline, and upheld its commitment to transparency and responsible financial management.

The balance sheets for the fiscal years 2020–21, 2021–22, 2022–23, and 2023–24 are presented in the following table, reflecting a strong trajectory of financial growth and institutional resilience.

|   | Jun-2024<br>(Rupees) | Jun-2023<br>(Rupees) | Jun-2022<br>(Rupees) | Jun-2021<br>(Rupees) |
|---|----------------------|----------------------|----------------------|----------------------|
| <b>ASSETS</b>   |                      |                      |                      |                      |
| <b>NON-CURRENT ASSETS</b>                             |                      |                      |                      |                      |
| Lab Equipment   | 89,764,464           | 86,961,131           | 36,436,758           | 23,134,151           |
| Office Automation and ICT Facilities                  | 13,443,326           | 10,096,993           | 11,756,103           | 10,522,200           |
| Purchase of Furniture and Fixtures                    | 22,596,174           | 20,367,841           | 8,960,216            | 7,247,966            |
| Operational Transport                                 | 37,692,542           | 37,692,542           | 34,439,762           | 4,850,000            |
| Chemical  | 7,359,722            | 7,359,722            | -                    | 1,010,000            |
| Books/Journals and Library Materials                  | 16,894,538           | 16,894,538           | 13,459,815           | 8,703,673            |
| <b>Property, plant and equipment</b>                  | <b>187,750,766</b>   | <b>179,392,767</b>   | <b>105,052,654</b>   | <b>55,467,990</b>    |
| <b>CURRENT ASSETS</b>                                 |                      |                      |                      |                      |
| Advances, deposits and prepayments/Advance Securities | -                    | -                    | 803,513              | 527,966              |
| Investment in TDR                                     | 54,635,000           | 51,900,000           | -                    | -                    |
| Security Receivable                                   | 593,000              | -                    | -                    | -                    |
| Cash and bank balances                                | 68,676,000           | 87,776,000           | 134,375,751          | 93,933,081           |
|   | <b>123,904,000</b>   | <b>139,876,000</b>   | <b>135,179,264</b>   | <b>94,461,047</b>    |
| <b>TOTAL ASSETS</b>                                   | <b>311,654,766</b>   | <b>319,068,767</b>   | <b>240,231,918</b>   | <b>149,929,037</b>   |
| <b>FUNDS &amp; LIABILITIES</b>                        |                      |                      |                      |                      |
| <b>RESERVES</b>                                       |                      |                      |                      |                      |
| Capital Reserves                                      | 187,750,766          | 179,392,767          | 105,052,654          | 55,467,990           |
| Funds   | 94,540,000           | 119,896,000          | 113,965,242          | 91,455,405           |
|   | <b>282,290,766</b>   | <b>299,288,767</b>   | <b>219,017,896</b>   | <b>146,923,395</b>   |
| <b>NON-CURRENT LIABILITIES</b>                        |                      |                      |                      |                      |
| Advances/Deposits/Accrued Expenses                    | <b>28,650,000</b>    | <b>17,143,000</b>    | <b>16,558,728</b>    | <b>110,183</b>       |
| <b>CURRENT LIABILITIES</b>                            |                      |                      |                      |                      |
| Security/Earnest Money payable                        | <b>714,000</b>       | <b>2,637,000</b>     | <b>4,655,294</b>     | <b>2,895,459</b>     |
|   | <b>311,654,766</b>   | <b>319,068,767</b>   | <b>240,231,918</b>   | <b>149,929,037</b>   |

# Academics at the **National Skills University Islamabad**

The National Skills University Islamabad (NSU) academics focus on a commitment to excellence in skills-based education and the holistic development of individuals ready to meet the evolving demands of the



**National Skills University Islamabad**  
**MONOGRAM**  
Conceived by: Prof. Dr. Muhammad Mukht  
Designed by: Muhammad Mukhtar Ali

modern workforce. As Pakistan's first public sector institution focusing exclusively on technical and vocational education, NSU offers an academically rigorous, practically oriented, and socially responsive curriculum.

Through nine undergraduate degree programs and short-term certificate courses, NSU is redefining Pakistan's contours of higher education. The academic structure spans multiple disciplines across technology, business, and applied sciences, each rooted in an instructional philosophy emphasizing hands-on training, real-world application, and professional readiness. The University's enrollment, now at over

1,100 undergraduate students and nearly 1,800 certificate course participants, reflects its growing trust in its pedagogical model and rapidly expanding national footprint.

The University's academic programs are developed in line with international standards and approved by Pakistan's Higher Education Commission (HEC), which issued the No Objection Certificate (NOC) in August 2021 to launch six undergraduate degree programs. This endorsement was based on a rigorous inspection process, affirming the quality of NSU's faculty, infrastructure, and educational design. Parallel accreditation efforts with the National Technology Council (NTC) for four core engineering technology programs underscore the institution's commitment to regulatory excellence.



**HEC Team First Visit to the NSU**  
**July 29, 2021**

## Academic Programs – Specific Features

NSU academic programs are developed in line with international standards and approved by Pakistan’s Higher Education Commission (HEC).

Like world-class skills universities, NSU’s academic framework emphasizes competency-based learning, hands-on training, and industry-aligned curricula.

Programs are tailored to meet the job market’s emerging technological and vocational needs. The University fosters close partnerships with industry to ensure graduates are employment-ready.



NSU academic programs emphasize hands-on learning and innovation, preparing graduates for immediate employment and long-term career growth in a dynamic global economy.

NSU’s global standing is further solidified by its international recognition. The UNESCO-UNEVOC acknowledges the University as its official Center. It is also a Center of Vocational Excellence recognized by the European Training Foundation, a project funded by the European Union. In

February 2025, the University formalized a strategic collaboration with City & Guilds through its Middle East representative, GEMS FZE. Fourteen industry-driven short courses, including advanced digital marketing, coding, mobile repair, and health documentation modules, are now City & Guilds accredited—ensuring

### National Technology Council Zero Visit for Accreditation of Technology Programs (February 17 - 18, 2021)



NSU graduates are well-prepared for global employment opportunities.

NSU's academic vitality is further enriched through its strategic partnership with the National Vocational and Technical Training Commission (NAVTTTC). Since 2020, the University has conducted five batches of short-term technical training under the Hunarmand Pakistan Program, graduating nearly 400 learners. Following a detailed quality assurance review in January 2025, NSU is under consideration for Qualification Awarding Body (QAB) status, which will enhance its national influence in skills certification.

NSU's commitment to academic progression is underscored by its strong emphasis on inclusive excellence. Students have access to a wide range of financial support mechanisms, including the Benazir Undergraduate Scholarship Program,

the Punjab Education Endowment Fund, and multiple private and public-sector sponsorships. The University has recently allocated funds for Merit and Need-based scholarships from its own resources. To date, 100 students have been awarded scholarships, while 33 have received laptops under the Prime Minister's Youth Laptop Scheme. Establishing the Skills Endowment Fund further demonstrates NSU's dedication to supporting needy and deserving students in completing short-term skills training spanning up to six months.

NSU's academic evolution exemplifies the vision of an institution that imparts education and transforms lives. With an unwavering commitment to merit, modernity, and mobility, the University is shaping a generation of skilled professionals poised to serve local, national, and global communities.

**NTC Accreditation Visit of  
4 Years/8 Semesters, Full  
time Programs of Bachelor  
of Engineering Technology,  
Civil, Information,  
Electrical and Mechanical  
(21 - 22 April 2025)**





## BSc Program Civil Engineering TECHNOLOGY



# Civil Engineering Technology

**“Skilling a generation of professionals  
equipped to build, lead, and innovate.”**



Unique  
Recognitions



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Education and Training



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# About Civil Engineering Technology Department

The Department of Civil Engineering Technology (CET) at National Skills University Islamabad provides skill-intensive education that meets the demands of a dynamic infrastructure landscape, unlike traditional programs that emphasize theory. We focus on practical, job-



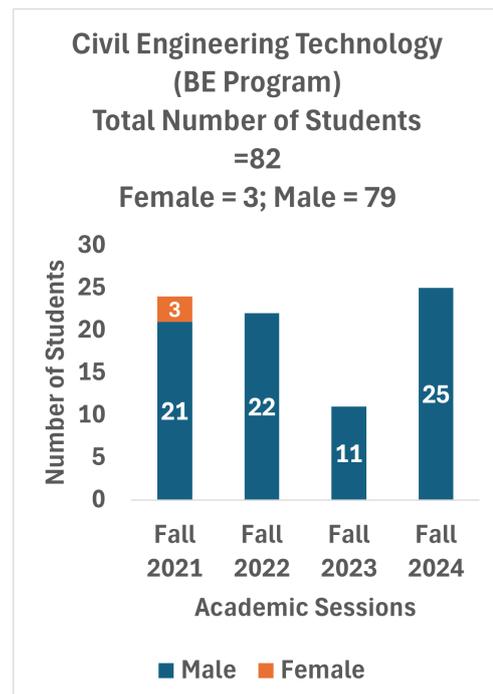
**Dr. Muhammad Habib, Chairperson**

ready competencies, ensuring graduates are immediately prepared to contribute meaningfully.

Our department is anchored in a philosophy of experiential learning. We offer a comprehensive four-year undergraduate degree in Civil Engineering Technology, along with industry-driven short courses tailored to emerging market needs. Our state-of-the-art laboratories provide hands-on experience in key areas such as surveying, construction materials, fluid mechanics, geotechnical engineering, and highway engineering. This practical learning empowers students with the tools and insights necessary to

address real-world challenges, sparking excitement about the learning opportunities.

The CET department cultivates a learning environment that extends beyond the classroom. Students are encouraged to take active roles in co-curricular and professional development initiatives. Our commitment to international engagement and leadership development is reflected in the establishment of the ICE UK Engineers Student Chapter within the department. The CET students also serve as catalysts of campus life through their involvement in university societies, including the Literary Society, Gym Club, and the Environment and Sustainability Society.



## Contemporary Skills in CET

The Civil Engineering Technology program at National Skills University Islamabad aligns with the evolving demands of the construction and infrastructure industry. By focusing on hands-on training, applied knowledge, and industry collaboration, the program ensures that students are

academically prepared and professionally competent. The curriculum is continuously updated to reflect market trends, while short courses address immediate industry skill gaps. Through partnerships with leading organizations and regular industrial exposure, students gain practical insights and build strong professional networks

Our strategic industry partnerships with leading organizations such as the Frontier Works Organization (FWO), National Logistics Cell (NLC), National Engineering Services Pakistan (NESPAK), and the Technology and Innovation Park (TIP) have led to a rich array of internships, training, and collaborative projects. These alliances

are further strengthened by a robust calendar of industrial visits, technical exhibitions, and competitions, providing students with immersive exposure to the evolving engineering landscape.





## Key Achievements

### Pak-Saudi Skills Verification Program (SVP)

Through NAVTTC and Saudi' SVP TAKAMOL we have successfully certified hundreds of Pakistani workers in trades such as brick masonry, plastering, tiling, and general construction

### Paid Supervised Industrial Training

Students from the first graduating batch are undergoing one-year supervised industrial training with leading construction companies across Pakistan.

### National and International Recognitions

Bachelor of CET program is accredited by the National Technology Council (NTC) Pakistan. All NSU programs operate under the global umbrella of UNESCO-UNEVOC.

### Regular Industry Exposure

Organized study visits to key institutions such as the Survey of Pakistan, the Meteorological Department and others.

### Student Engagement & Professional Development

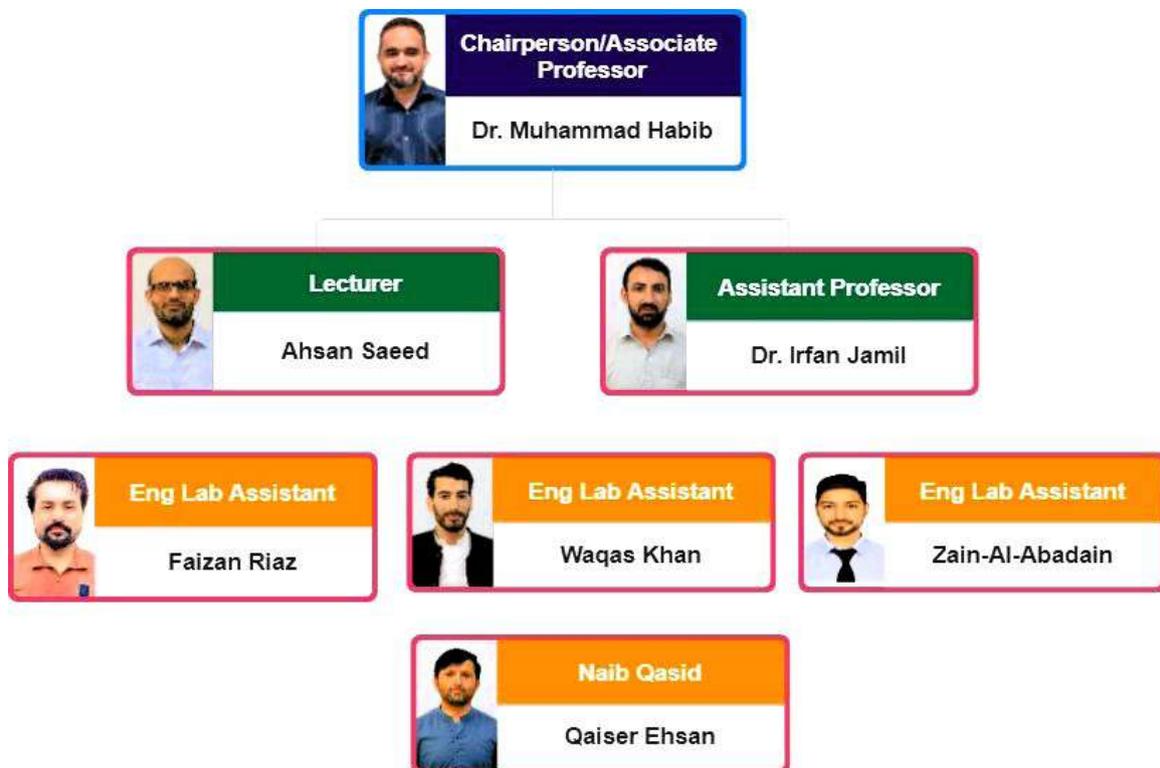
Several guest lectures, seminars, and competitions, such as bridge-building, poster design, and technical workshops (e.g., PlanSwift), have been conducted.

# Empowering Students For Workplaces

By combining rigorous technical training with soft skills development, internships, and exposure to industrial environments, NSU ensures its Civil Engineering Technology graduates are confident, competent, and workplace-ready and lead construction projects.



Workshop on Quantity Surveying with Planswift organized by ICE student chapter at NSU Islamabad



Faculty and Technologists Serving the Department of Civil Engineering Technology



# Electrical Engineering Technology

**“At the intersection of innovation and industry, we empower future technologists to master the language of electricity and engineer solutions that shape the world of tomorrow.”**



Unique Recognitions



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# About Electrical Engineering Technology Department

Bachelor of Engineering Technology (Electrical) program stands out with its unique emphasis on application-oriented learning. It equips students with a comprehensive understanding of essential domains such as electrical circuits, analog



**Dr. Ishtiaq Ahmad, Chairperson**

and digital electronics, microcontrollers, conventional and renewable energy systems, instrumentation, control systems, telecommunications, and both wired and wireless networking.

This program offers a comprehensive and industry-relevant education in an era where Electrical Engineering Technology intersects with nearly every field, from manufacturing and automation to computing and information systems. As the world transitions into the Fourth Industrial Revolution, advancements in electrical technology continue to drive

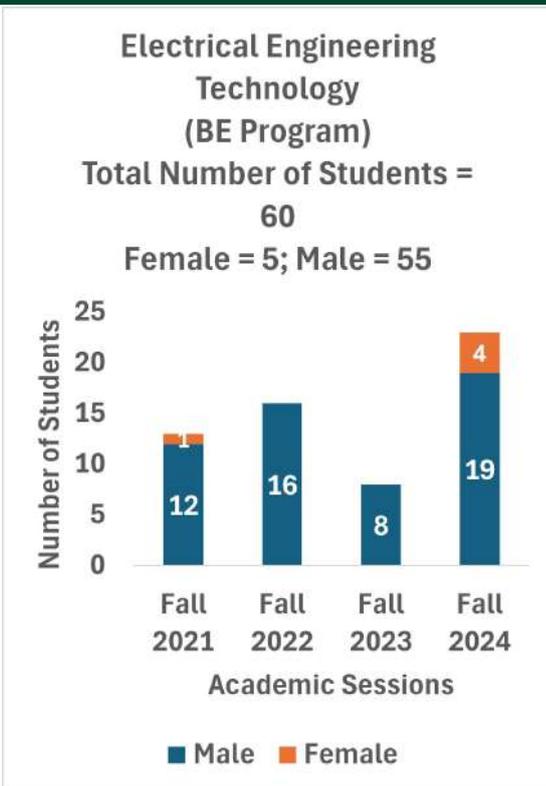
innovation, from electric vehicles and sustainable energy solutions to intelligent systems and smart infrastructure. Understanding electrical and electronic systems has become fundamental for electrical specialists and those entering broader technological disciplines. Our program is designed to meet the current and future demands of the industry, ensuring that our graduates are well-prepared for the job market.

The department is home to state-of-the-art laboratories and learning environments that mirror the expectations and standards of both national and international industries. Students benefit from experiential training that bridges theory with practice, while curriculum development remains closely linked to current and future industrial demands through continuous collaboration with industry partners. This synergy ensures that graduates not only have the technical expertise and critical thinking skills required in modern workplaces but also the adaptability to thrive in a rapidly changing professional environment.

# Contemporary Skills in EET

The Department of Electrical Engineering Technology at the National Skills University Islamabad maintains a strong and ongoing dialogue with industry leaders to ensure its academic offerings align with current and emerging workforce needs. Through regular consultations, industrial advisory boards,

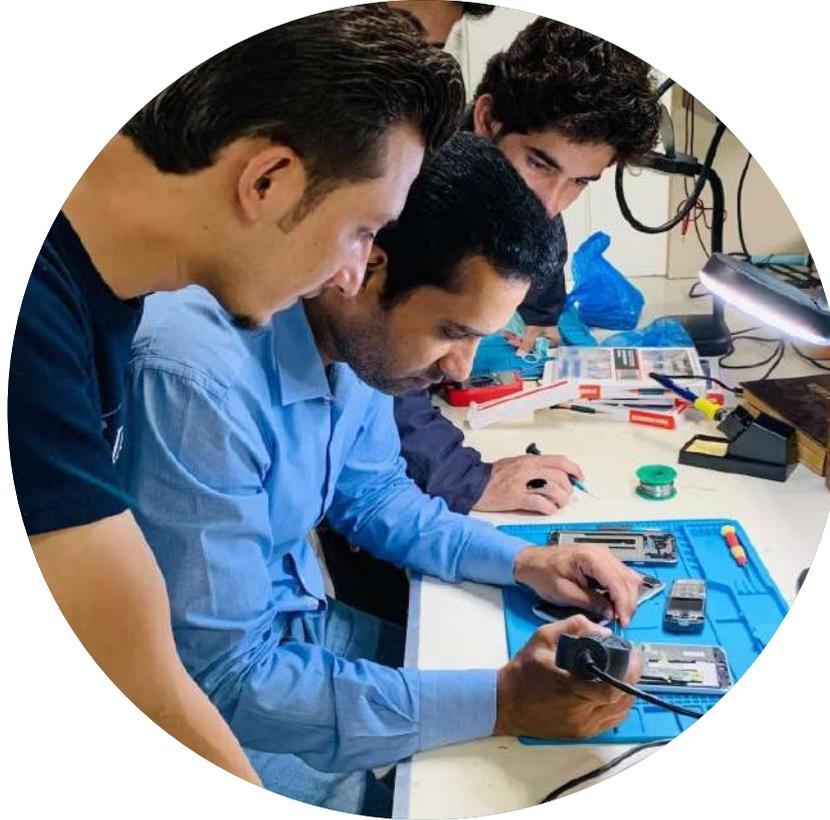
and collaborative projects, the department integrates practical insights into its curriculum, enabling students to acquire technically rigorous and immediately applicable skills. This close alignment with employer expectations enhances the relevance of student training and positions graduates as competitive, job-ready professionals prepared to contribute meaningfully from day one.



(Above) Dr. Ishtiaq Ahmad receiving certificate.

Academic activities and skills learning (Below)





## Key Achievements



### National Technology Council Accreditation

Bachelor of Engineering Technology (Electrical) program is fully accredited by the National Technology Council Pakistan, affirming its academic excellence and compliance with national standards.



### Paid Supervised Industrial Training

Students of the graduating Class of 2021 are participating in paid Supervised Industrial Training, gaining valuable industry exposure and enhancing their readiness for professional roles.



### Student Innovation: Hybrid Bike

Electrical Engineering Technology students successfully designed and built a hybrid bike, reflecting their capacity to innovate in modern challenges.



### NGIRI-IGNITE Project Funding

Department students' final-year projects have secured competitive NGIRI-IGNITE funding.



### Medical Device Development: Uroflow Meter

In collaboration with Foundation University Hospital, students fabricated a functional uroflow meter, contributing to the advancement of locally produced healthcare technologies.

# Empowering Students For Workplaces

Emphasis is placed on problem-solving, teamwork, and effective communication, competencies essential for professional success. By integrating academic rigor with practical skill-building, the department cultivates graduates who are proficient in their field and adaptable, ethical, and prepared to lead in diverse professional settings..



**Faculty and Technologists Serving the Department of Electrical Engineering Technology**



# General Studies Department

**“Not just learning for a degree, but learning for life is the spirit of General Studies.”**



Unique  
Recognitions



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# About General Studies Department

Aligning with the Higher Education Commission Pakistan, academic policies, the Department of General Studies is a vital academic pillar uniquely positioned to shape agile, thoughtful, and responsible



**Dr. Ehnber Naheed, Chairperson**

citizens of the 21st century. This department represents more than a collection of interdisciplinary courses, it is a crucible for cultivating the intellectual and ethical capacities necessary for navigating the complexities of the modern world.

With an acute awareness of the shifting employment landscape, where traditional proficiencies no longer guarantee success, the Department of General Studies is committed to equip students with

contemporary soft skills framework and scientific curiosity. Our pedagogy, in contrast to rote content delivery, emphasizes intellectual engagement, nurturing minds that can reason ethically, communicate persuasively, think critically, and act responsibly. We are dedicated to developing versatile graduates who can adapt to emerging demands across diverse fields, providing a sense of reassurance about their future adaptability.

Through a curriculum that spans natural sciences, social sciences, and the humanities encompassing disciplines such as Mathematics, Physics, Chemistry, Literature, History, General English and Ethics students gain foundational knowledge and the capacity to contextualize ideas within broader societal frameworks. We prepare students to confront real-world challenges with a blend of rational analysis, cultural sensitivity, and a deep sense of civic obligation.

# Contemporary Skills & General Studies

The Department of General Studies at NSU Islamabad does not merely prepare students for a job. It equips them with the skills and knowledge to excel in their chosen careers, but more importantly, it prepares them for a lifetime of informed

engagement, ethical leadership, and continuous learning. We invite students to embark on a transformative educational journey that challenges assumptions, celebrates diversity, and inspires a lifelong pursuit of knowledge and truth.

Embedded in every course is a deliberate and unwavering focus on fostering soft skills—those intangible yet indispensable attributes that distinguish competent professionals from exceptional leaders. Students refine their emotional intelligence, adaptability, and problem-solving abilities through collaborative projects, reflective writing, or structured debates. They are trained to work in teams, lead with empathy, and contribute meaningfully to their local and global communities, instilling a sense of confidence about their professional development.



**Hamid Mir at NSU**



**Literacy Society FunVaganza**



## Key Achievements

### Scholarly Distinction on the Global Stage

Faculty members from the Department of General Studies have collectively published 25 peer-reviewed articles in ISI-indexed impact factor journals significantly advancing research in interdisciplinary education, ethics, and socio-scientific inquiry.

### A Voice in the Global Academic Conversation

Between 2022 and 2024, faculty actively participated in four prestigious international conferences, presenting original research and engaging with global scholars.

### Pioneering Civic Education and Legal Literacy

In partnership with the Department of Health Sciences Technology, the department hosted a landmark three-day workshop on Citizenship, Democracy, and Legal Compliance.

### National Recognition in Scientific Leadership

In 2024, a distinguished department faculty member was recognized among the Top 2% of Scientists Worldwide.

### Fostering Character and Cultural Discourse

Through its dynamic Literacy Society, the department organized a series of impactful talks and cultural events centered on character building, personal development, and ethical reasoning.

# Empowering Students For Workplaces

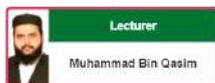
At NSU, classroom learning is enriched by experiential activities that promote teamwork, adaptability, and leadership in real-world contexts. This holistic approach ensures graduates are knowledgeable, ethical, principled, and prepared to navigate the complexities of a globalized world.



Chairperson/Associate Professor  
Dr. Ehnber Naheed



Senior Research Officer  
Dr. Rahmat Gul Khattak



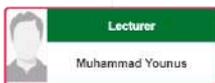
Lecturer  
Muhammad Bin Qasim



Assistant Professor  
Dr. Maryam Subhani



Senior Research Officer  
Dr. Amina Nadir



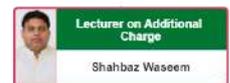
Lecturer  
Muhammad Younus



Lecturer  
Zara Obaid



Lecturer  
Abdul Haq



Lecturer on Additional Charge  
Shahbaz Waseem

## Faculty Serving the Department of General Studies



# Health Sciences Technology

**“At the crossroads of science and service,  
we prepare minds that diagnose, discover,  
and deliver a healthier tomorrow.”**



Unique  
Recognitions



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# About Health Sciences Technology Department

The Health Science Technology Department (HST) at the National Skills University Islamabad is a visionary academic unit that adheres to the highest global standards of excellence in education and innovation. Formerly the Department of



**Dr. Muhammad Arif N Saqib, Chairperson**

Medical Laboratory Technology, HST has evolved into a comprehensive health and life sciences center, offering rigorous undergraduate programs in Medical Laboratory Technology and Biotechnology.

Our curriculum, firmly rooted in biochemistry, molecular biology, microbiology, immunology, genetics, and health informatics, provides students with a deeply integrated learning experience. This unique approach bridges theory with advanced practical application, emphasizing laboratory-based instruction, simulation exercises, and interdisciplinary

collaboration. The result is students who are not only technically precise, but also skilled in critical inquiry and ethical practice.

HST's modern laboratories, led by accomplished faculty, serve as hubs for hands-on discovery and research. Students graduate prepared to lead in clinical, industrial, agricultural, and environmental health sectors. They are workforce-ready and equipped to innovate and advance diagnostics, biotechnology, and global healthcare solutions.

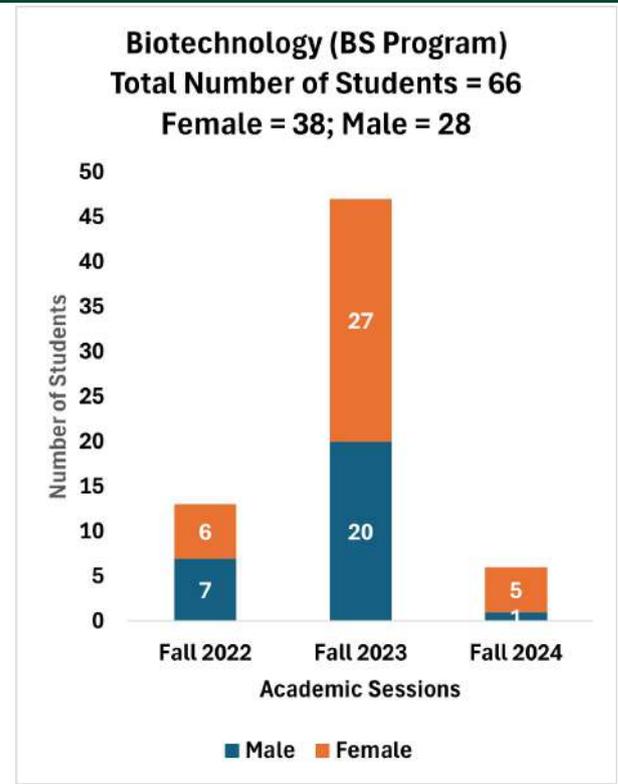
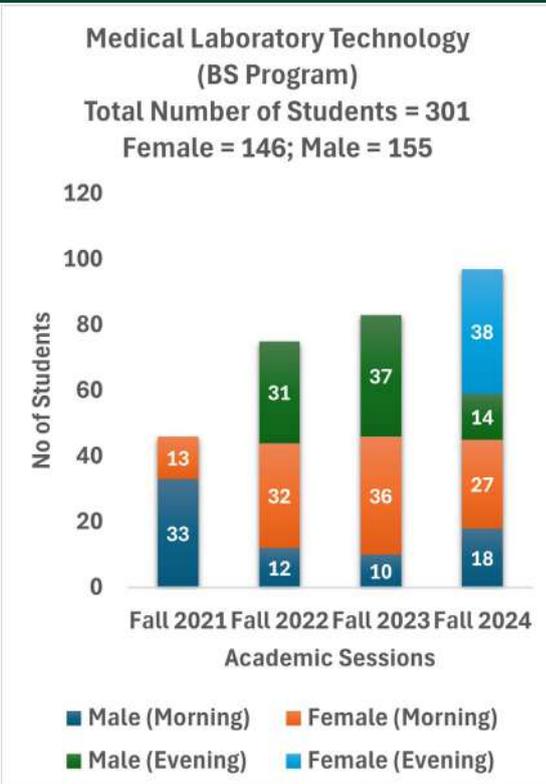
Beyond the classroom and laboratory, HST plays a vital role in advancing public health. The department supports national and global health systems by training professionals capable of responding to emerging health challenges, contributing to disease surveillance, and promoting preventive healthcare strategies. Its graduates are instrumental in bridging the gap between scientific research and community well-being, helping shape policies and practices that protect and improve population health.

# Healthcare Relevant Skills

Skills-based education in Health Sciences Technology, encompassing Medical Laboratory Technology and Biotechnology, equips learners with the practical expertise, critical thinking, and ethical foundation essential for modern healthcare and scientific innovation. Through rigorous laboratory

training, interdisciplinary coursework, and exposure to real-world diagnostic and research tools, students gain the competence to address complex challenges in clinical, industrial, and environmental settings.

This hands-on approach enhances employability and cultivates leadership, innovation, and a deep commitment to public health and scientific advancement.





## Key Achievements

### **Innovating Through Sustainability**

The department launched a student-led bio-composting project in October 2023, integrating biotechnology education with campus sustainability efforts. Students processed organic waste into high-quality compost for farming.

### **Fit for Health: Empowering Youth for a Healthier Tomorrow**

A collaborative program between the NSU and Novo Nordisk Pakistan aimed at preventing diabetes and obesity among youth.

### **Globally Relevant Scientific Research**

Published 27 peer-reviewed articles. A major research grant of Rs 2.6 million was secured from the NIH to investigate antimicrobial resistance.

### **Hands on Learning Infrastructure**

Established a fully equipped Anatomy and Physiology Laboratory used for foundational studies.

### **Services to Community**

The department organized a Life-Saving Blood Camp in collaboration with Metropole Pvt. Ltd. and earned first place in poster presentations at the 12th Annual MLTAB Seminar.

# Empowering Students For Workplaces

The Department of Health Sciences Technology at the NSU offers students a unique and practical learning environment that extends beyond the classroom. Through structured hospital internships and biotechnology research center training, students gain firsthand experience in real job settings, enabling them to apply their knowledge, develop technical skills, and engage directly with healthcare professionals, preparing them for their future.



## Faculty and Technologists Serving the Department of Health Sciences Technology



**Naureen Anwar**, SVP - Special Projects had an interactive session with students of National Skills University

# Information Engineering Technology

**“Equip minds with the skills of tomorrow, ensuring our graduates lead in innovation, adaptability, and real-world impact in the ever-evolving digital.”**



Unique Recognitions



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# About Information Engineering Technology (IET)

The Department of Information Engineering Technology at the National Skills University Islamabad is a forward-thinking and committed to cultivate the next generation of technologists, engineers, and digital innovators.



**Dr. Saud Altaf, Chairperson**

Grounded in experiential learning, industry collaboration, and technological foresight, the department offers an educational environment that bridges academic theory with professional practice.

Our department's commitment to hands-on learning is the cornerstone of our educational philosophy. Students utilize cutting-edge facilities, such as high-performance 13th-generation computing systems, high-speed internet infrastructure, and contemporary software tools that adhere to industry standards. This

immersive environment is meticulously designed to ensure that our graduates excel academically and possess the practical skills necessary to thrive in today's fast-paced digital economy.

A hallmark of the IET curriculum is its flagship Supervised Industrial Training (SIT) program, which places final-year students in prominent organizations nationwide. This unique one-year immersive experience is designed to provide students with meaningful exposure to real-world challenges, enabling them to translate classroom concepts into impactful solutions and enter the workforce as confident, job-ready professionals.

The department offers various undergraduate degree programs, each designed to equip students with the skills and knowledge necessary to succeed in the digital world. These programs include:

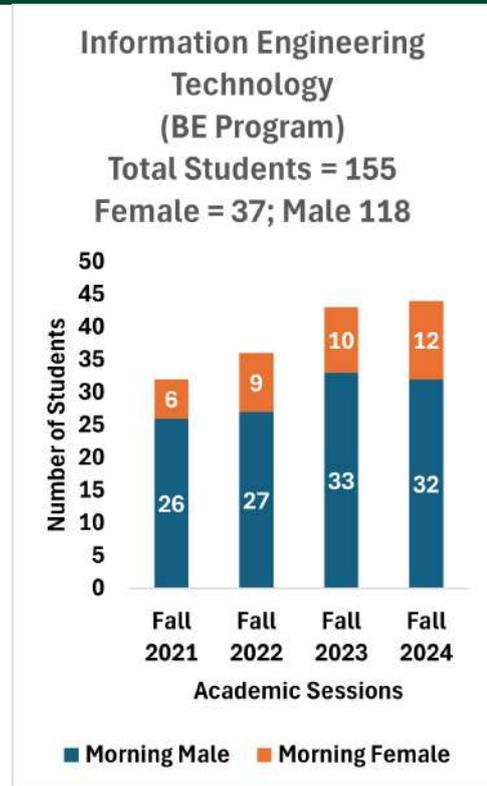
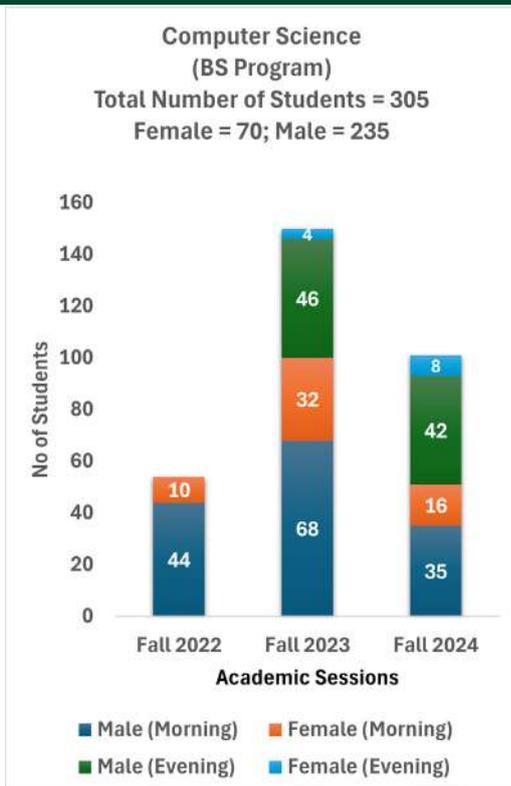
- Bachelor of Engineering Technology (Information)
- Bachelor of Science in Computer Science (BSCS)
- Bachelor of Engineering Technology (Cyber Security) (Launching in Fall 2025)

# Digital Technologies Relevant Skills

At the Department of Information Engineering Technology, National Skills University Islamabad, we offer a curriculum meticulously aligned with the evolving demands of the global job market. Our programs emphasize core competencies in digital technologies - including software development, networking,

cybersecurity, and systems integration - ensuring that students graduate with theoretical proficiency and the practical acumen that today's leading employers seek.

We prepare our graduates to excel in a competitive digital world through a dynamic blend of academic rigor, industry-driven training, and emerging technology integration.





## SoftFest Champion

## Key Achievements



### Code Conquerors: National Champions at SoftFest 2022

At the SoftFest 2022 hosted by NUML Islamabad, students from the Department of Information Engineering Technology (IET) soared to national acclaim by winning first prize.



### Visual Voices: Designing Change Through Posters & Photography

The IET Department participated in the Digital Poster and Photography Competition awareness of key social, political, and educational issues.



### Fueling Innovation: NGIRI- Funded Research

Students received several awards through NGIRI program for technology.



### Shining at ISWYSC'24: From Code to Controller

The IEEE Islamabad Section StudentsCongress 2024, hosted at PIEAS University, spotlighted the exceptional talents of NSU's IET students.

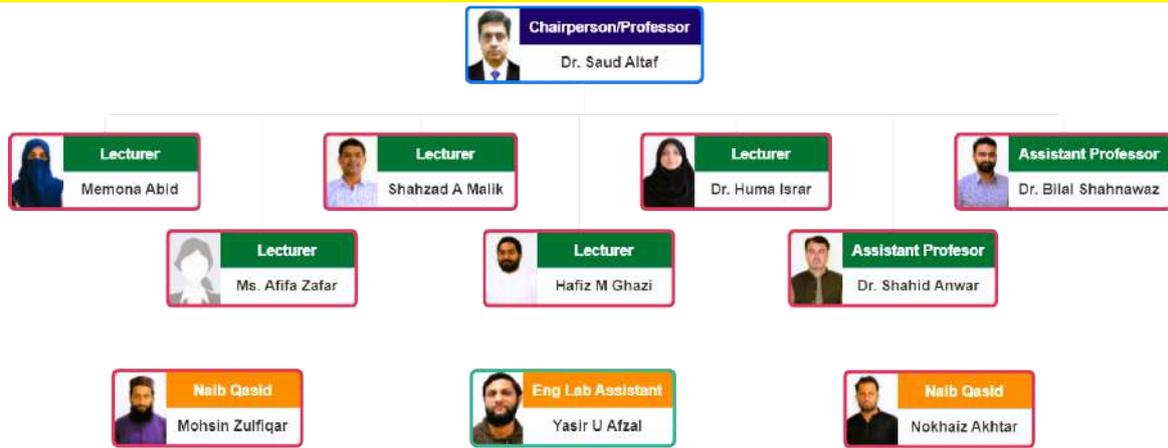


### Bridging the Gap Through Industry Connect

Through strategic partnerships with the IT industry, we empower students with experiential learning and professional mentorship, positioning them for success in Pakistan's evolving tech ecosystem.

# Empowering Students For Workplaces

The NSU is redefining workplace readiness through its dynamic collaboration with Systems Limited Pakistan and several others facilitated by the National Skills University Islamabad Advisory Council. This partnership integrates real-world industry insights into the academic environment, offering students mentorship, tech-driven training, and exposure to enterprise-level projects.



## Faculty and Technologists Serving the Department of Information Engineering Technology



# Management Sciences

**“Developing strategic thinkers and ethical leaders having the entrepreneurial spirit to strengthen a skills-based global economy.”**



Unique Recognitions



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International Centre for  
Technical and Vocational  
Education and Training



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# About Department of Management Sciences

The Department of Management Sciences at the National Skills University Islamabad is deeply committed to nurturing a new generation of dynamic, forward-thinking business leaders. Our mission is to equip them with the skills and knowledge to



**Prof. Dr. Nadeem Iqbal, Chairperson** address the ever-evolving needs of today's competitive markets. Through our Bachelor of Business Administration (BBA) program, we provide a robust academic and practical foundation, empowering students to excel in a variety of business environments, from innovative startups and technology-driven enterprises to large-scale public institutions and global organizations.

The program supports fresh entrants and working professionals who aspire to excel in leadership, managerial, and entrepreneurial roles. The department

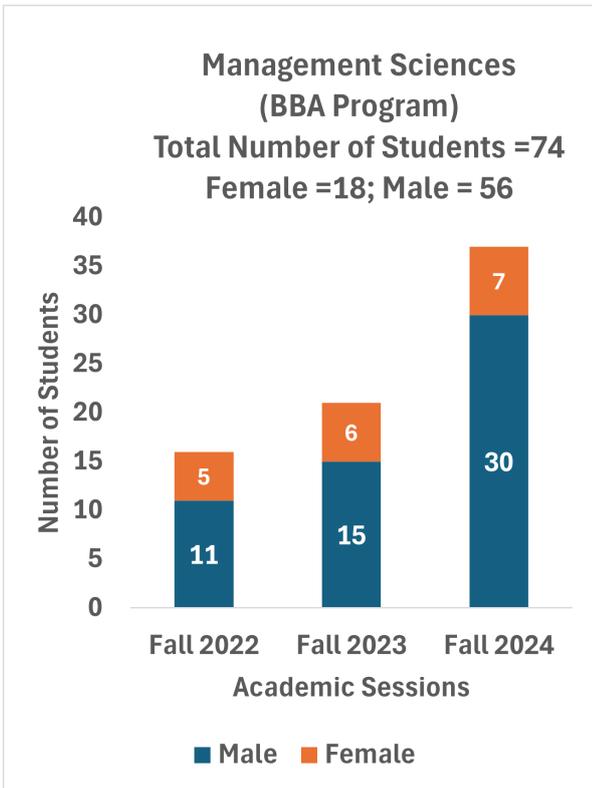
introduces students to contemporary business philosophies, strategic leadership models, and skills-based learning approaches beyond conventional management education through a carefully structured curriculum. The major emphasis is on applying innovative thinking to foster socio-economic growth, particularly within the regional and national context.

Central to the department's mission is the integration of theory with practice. Students are trained to navigate the complex intersections of business policy, law, and technology-driven change. The program develops critical capacity in key business functions, including finance, marketing, human resource management, and project management, equipping graduates with the competence to make sound business decisions, manage teams effectively, and lead transformational change. The Management Sciences department further distinguishes itself by fostering a culture of entrepreneurship, innovation, and ethical business practices.

# Connecting Youth with Job Markets

The Department of Management Sciences actively connects students with the job market through industry collaborations, accredited skill-based certifications, and experiential learning opportunities. The department ensures students gain practical exposure and relevant competencies by

organizing market visits to leading institutions like the Islamabad Stock Exchange and SECP, facilitating internships, and offering internationally recognized short courses through City & Guilds (UK). Additionally, partnerships with NGOs and professional organizations create valuable networking platforms, enhancing students' employability and readiness for the dynamic business environment.



**Students participating in Marketing Gala organized in the Univeristy**



## Key Achievements



### Launched the Marketing Gala

A flagship regular initiative promoting entrepreneurial and marketing competencies through experiential learning in branding, sales, and customer engagement.



### Introduced Digital Marketing Short Course (2023)

Delivered practical SEO, content strategy, and campaign analytics training tailored for entrepreneurs and emerging digital professionals.



### Secured International Representation (2022–2024)

The Faculty of Management Sciences presented research at global academic conferences in the UAE, the UK, and Thailand, enhancing institutional visibility.



### Achieved City & Guilds (UK) Accreditation

Offering globally recognized certifications in Professional English, Supply Chain, SME Development, and Digital Marketing.



### Strengthened Industry-Academia Linkage

Established partnerships with NGOs and professional bodies to expand students' career pathways and real-world exposure.

# Empowering Students For Workplaces

The Department of Management Sciences empowers students for better jobs through market-driven skills, global certifications, and real-world exposure. Practical training, industry engagement, and a focus on communication and leadership prepare graduates to excel in competitive career environments.



Vice Chancellor NSU Meeting with the Vice President, The Federation of Pakistan Chamber of Commerce & Industry (FPCCI)

## Faculty Serving the Department of Management Sciences





# Mechanical Engineering Technology

**"Where hands-on learning meets engineering technology excellence. We craft leaders who build, shape, and sustain tomorrow's world."**



Unique  
Recognitions



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Technical and Vocational  
Education and Training



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# About Mechanical Engineering Technology Department

The Department of Mechanical Engineering Technology (MET) at the National Skills University Islamabad (NSU) is redefining what it means to prepare tomorrow's technologists for a rapidly changing world. Built on the



**Dr. Irfan A Gondal, Chairperson**

foundations of technical excellence and a forward-looking philosophy, the department has emerged as a model of skills-integrated higher education in Pakistan, advancing knowledge, research, and real-world application in Mechanical Engineering Technology.

Since 2021, Dr. Irfan Ahmad Gondal (TI) has been leading MET as Chairperson. Over the past few years, this department has grown into a vibrant academic unit that is globally connected and locally impactful. Under his direction, with support from competent faculty and

staff, MET has expanded its academic portfolio, cultivated international alliances, and created meaningful opportunities for students and faculty to engage with cutting-edge technologies and global sustainability challenges.

The MET Department is equipped with the Integrated Design Lab to the HVACR and IC Engine Labs, our state-of-the-art workshops create a dynamic environment where future technologists design, experiment, and build solutions to real-world challenges. Specialized workshops in welding, machining, plumbing, and woodwork reinforce a holistic approach to mechanical engineering education grounded in skills that matter.

The Supervisory Industrial Training (SIT) program enables senior-year students to work alongside industry professionals in real-world settings, including international placements at Hebei Vocational University of Industry and Technology (HVUIT). Strategic partnerships with institutions such as HVUIT, China, allow our students to learn global best practices, sustainability-driven research, and cross-cultural learning experiences.

# Connecting Youth with Job Markets

The Mechanical Engineering Technology Department at National Skills University Islamabad is dedicated to develop a workforce equipped with 21st-century skills. We collaborate with local and international industries to bridge the gap between education and real-world application through practical training and employer engagement.

Our partnerships with engineering firms and industrial associations offer students internships, hands-on experience, and career pathways aligned with technological trends. These academia-industry linkages are vital for national development, helping place our graduates in competitive roles and supporting sustainable industrial growth.

We are building a skilled, confident, and future-ready workforce with our industry collaborators.

## OUR FACULTY

### 1. Prof. Dr. Muhammad Shehryar Manzoor

Ph.D, Ecole Polytechnique, Paris, France

### 2. Dr. Irfan Ahmed Gondal(TI)

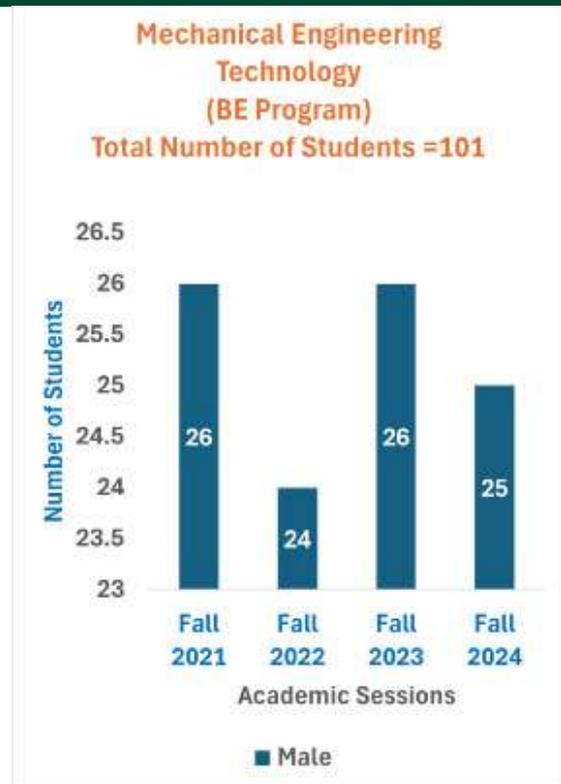
Chairperson and Associate Professor, Ph.D, UET, Pakistan and Middle East Technical University, Turkey

### 3. Engr. Sumaira Zaheen

Associate Professor  
MS in Mechanical Design

### 4. Dr. Sadia Khan

Lecturer  
Ph.D. National University of Science and Technology (NUST), Islamabad, Pakistan



## LABORATORY TECHNICIANS

### 1. Mr. Amjad Ali

### 2. Mr. Raheel Asghar

### 3. Mr. Badr i Munir

### 4. Mr. Muhammad Sajid

### 5. Mr. Muhammad Yasir

### 6. Mr. Mehmood Zafar



## Key Achievements



### Departmental Infrastructure

The MET Department has made fast progress upon approval from the Higher Education Commission of Pakistan in 2021. Twelve state-of-the-art, fully well-equipped laboratories support students learning.



### National Technology Council Approval

The MET, BE program is accredited with the National Technology Council Pakistan. The National Skills University Islamabad all programs are under the umbrella of UNESCO-UNEVOC.



### Collaboration with the NAVTTC

Offering six-month 'Automotive Mechatronics' skill program sponsored by the National Vocational & Technical Training Commission (NAVTTTC).



### Supervised Industrial Training

The first batch of students to graduate in 2025 are undergoing Supervised Industrial Training (SIT).

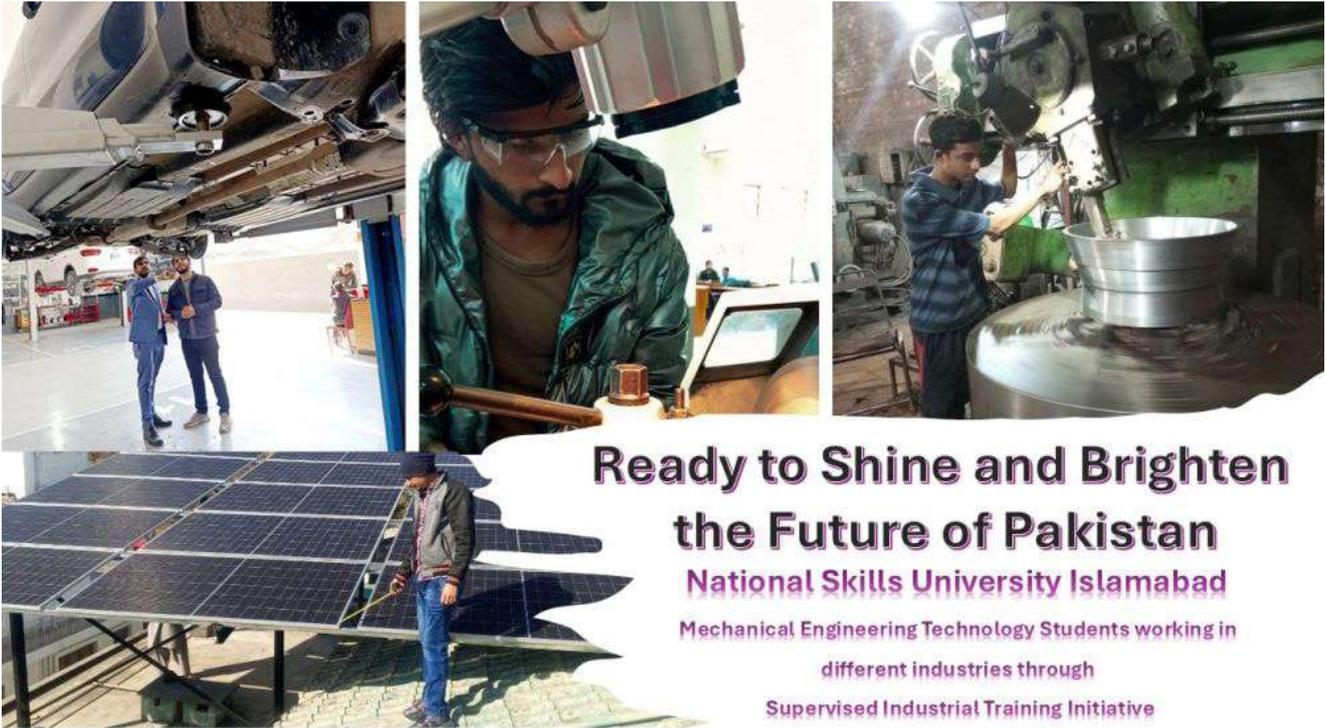


### SIT in China - International Exposure for Students

Fall 2023 and 2024 students will get free one-year SIT in China with the Intelligent Manufacturing Unit of Hebei Vocational University of Industry & Technology (HBVUIT).

# Empowering Students For Workplaces

The Supervised Industrial Training Program at the National Skills University Islamabad bridges classroom learning with real-world application, equipping students with hands-on workplace experience in leading industries. This transformative initiative empowers students with practical skills, enhances their employability, and aligns their competencies with the evolving demands of the national and global workforce.



## Faculty and Technologists Serving the Department of Mechanical Engineering Technology

# NAVTTTC –TAKAMOL Assessment at the National Skills University Islamabad (NSU)

In Skill Verification Program of the NAVTTTC- TAKAMOL conducted through the NSU, 677 candidates appeared in various trade assessments.

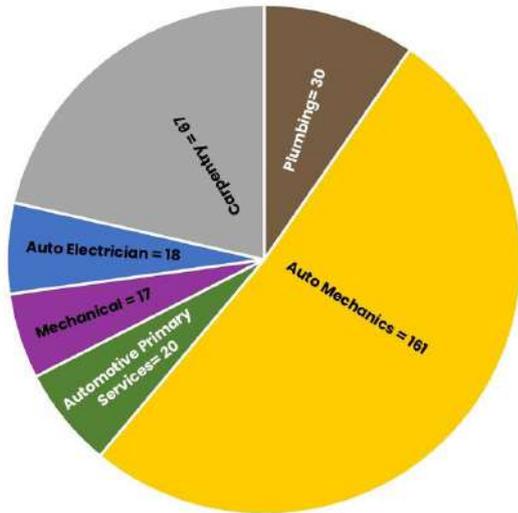
The NSU is at the forefront of empowering Pakistan's skilled workforce by facilitating their entry into the global job market. In alignment with its mandate to enhance the capabilities of skilled and semi-skilled labor, NSU has played a pivotal role in the Skill Verification Program (SVP), an initiative launched by the Kingdom of Saudi Arabia (KSA) in collaboration with the National Vocational and Technical Training Commission (NAVTTTC) Pakistan. There are several organizations contributing in this important initiative.

## NSU's Role in the Skill Verification Program

Since June 2023, NSU has been an accredited partner institute under the NAVTTTC TAKAMOL (SVP) program. This initiative conducts competency-based assessments to verify the skills of Pakistani workers aspiring to secure employment in Saudi Arabia. The program validates Pakistani workers' skills by ensuring the workforce meets international standards. These certifications are a mandatory requirement for obtaining visas.



NSU's state-of-the-art technical training facilities, experienced instructors, and well-equipped workshops have made it a premier institution for skill verification, further reinforcing the credibility of Pakistani skilled workers in international markets.



**Mechanical: 313 individuals were certified in six trades**

### Trade Specific Skill Assessment Methodology

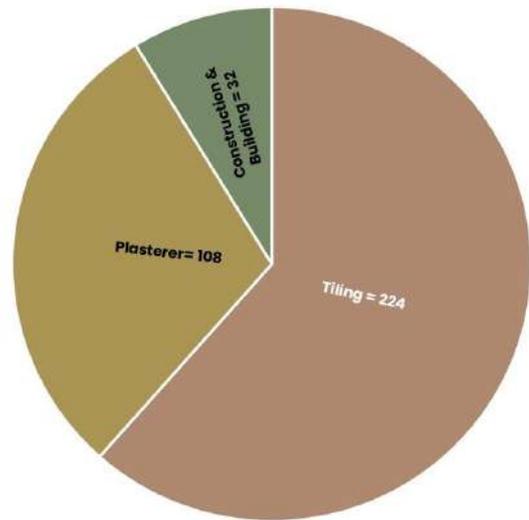
The Skill Verification Program involves two-step assessment process, which ensures the program's

credibility and candidates' skills.

### Computer-Based Examination:

A 30-minute online test evaluates candidates trade-specific knowledge.

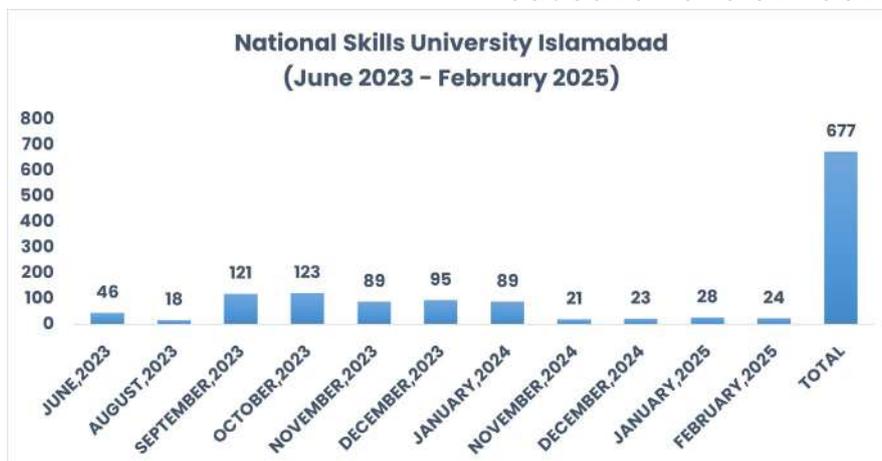
**Practical Trade Test:** A hands-on skills assessment, followed by an oral viva, ensuring candidates' competency in their respective trades.



**Civil: 364 individuals were certified in three trades**

### Pakistan's Workforce Global Competitiveness

The NSU's partnership with the SVP Saudi Arabia and NAVTTC Pakistan manifests its commitment to advance technical education and skill development.



CHIEF GUEST

SARMAD TANVEER CAMPUS MURIDKE

CERTIFICATES DISTRIBUTIO

CEREMONY



National Skills University

Islamabad – Sarmad

Tanveer Campus

Muridke, Sheikhpura

From Aspirations to Actions



Unique  
Recognitions



unesco

International Centre for  
Technical and Vocational  
Education and Training



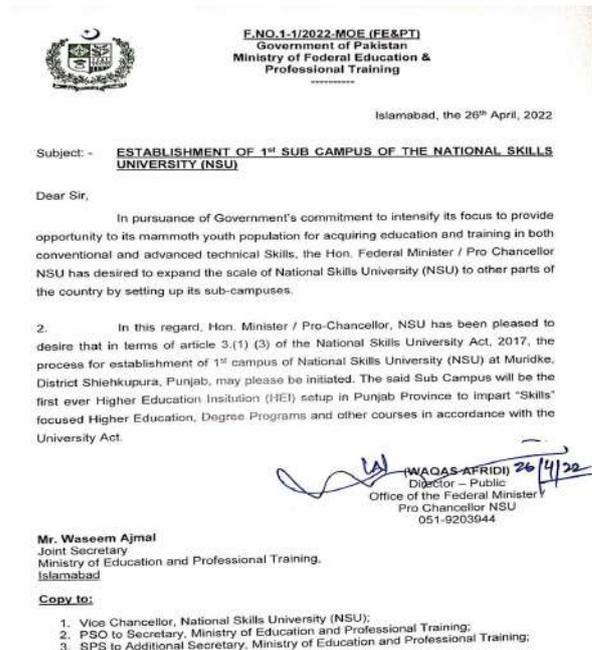
ACCREDITED



## The Resilient Journey of the National Skills University Islamabad's Sarmad Tanveer Muridke, Sheikhpura Campus

On April 26, 2022, a letter issued by the Ministry of Federal Education and Professional Training set into motion a quiet revolution. Referencing the National Skills University Act, 2018, the letter expressed the desire of the Hon. Federal Minister and Pro-Chancellor to establish the first campus of the National Skills University Islamabad (NSU) in Muridke, District Sheikhpura, making it the pioneer skills-focused higher education institution in Punjab.

From that point onward, establishing the Sarmad Tanveer Campus of NSU in Muridke unfolded as a story of remarkable resolve, shaped by opposing forces wrangling, administrative hurdles, and,



above all, relentless human will. At the epicenter of this venture stood Prof. Dr. Muhammad Mukhtar, the Founding Vice Chancellor of NSU Islamabad, whose vision for accessible, practice-driven education never flinched, even when circumstances did.

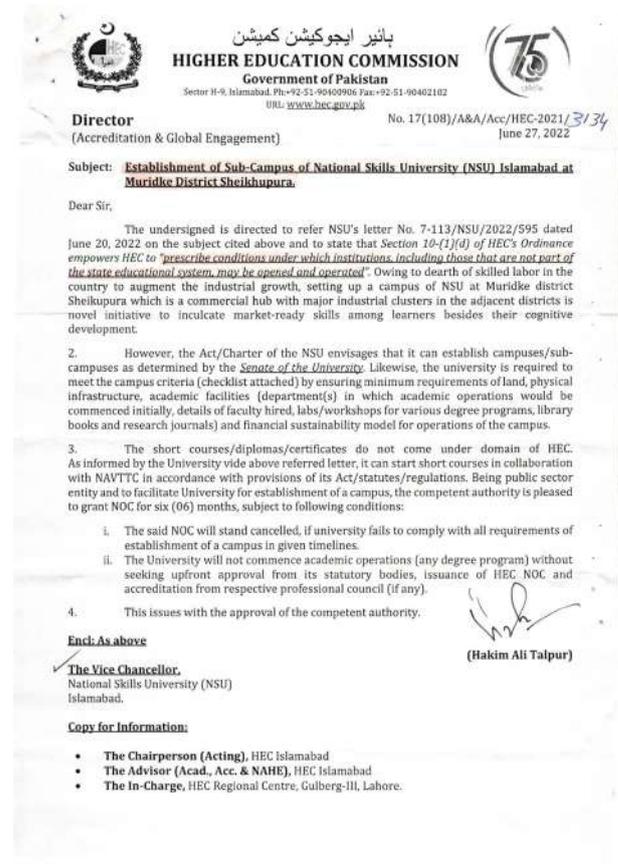


Briefing to Pro-Chancellor about the NSU – April 28, 2022

## NSU Sarmad Tanveer Campus Muridke Genesis Amidst Strained Situations

At the time, the main National Skills University Islamabad was navigating significant challenges. Having only recently transitioned from the National Institute of Science and Technical Education (NISTE) in March 2018, the University was still laying the groundwork for its academic and operational identity. Yet, amid these internal pressures, the call to expand to Punjab, a region long underserved in higher vocational education, was taken not as a burden but as a moral imperative. Worth mentioning here is that Prof. Dr. Muhammad Mukhtar, the founding Vice Chancellor, took charge in October 2019,

Only two weeks after the Pro-Chancellor directive, on May 16, 2022, Mr. Waseem Ajmal Chaudhry, then Additional Secretary at the Ministry, formally requested the Evacuee Trust Property Board (ETPB) to lease 12 acres of land in Sheikhupura for the sub-campus of the NSU. In parallel, the Vice Chancellor swiftly notified a team of experts from the NSU, comprising academic and planning staff, to survey Muridke for potential facilities. Their June 3, 2022, visit set the tone for establishing NSU Sarmad Tanveer Campus, Muridke, Sheikhupura. The team recommended getting a space from the Muridke library



to initiate academic activities. The Vice Chancellor and the efforts of the then Federal Minister for Education and Professional Training, Rana Tanveer Hussain, were crucial in getting the library space from the Government of Punjab.

## Muridke's Library: Opportunity and Opposition

The Committee identified a promising location, the Allama Iqbal Library, a relatively underutilized double-story structure on Sheikhupura Road. It was not a university building in the traditional sense, but it had physical space and potential. With some partitioning and technical adjustments, the building could serve as a temporary academic home.

National Skills  
University  
Islamabad  
Sarmad Tanveer  
Campus Muridke,  
Sheikhupura  
Inauguration



An official request was routed to the Deputy Commissioner, Sheikhupura, and the Chief Secretary of Punjab, seeking to formalize the arrangement.

Remarkably, the Services and General Administration Department (Archives & Libraries Wing) conveyed its concurrence by July 1, 2022. Within weeks, on July 6, 2022, Prof. Dr. Mukhtar, exercising powers vested in him by the Senate, officially notified the establishment of NSU's first sub-campus at Muridke. The campus coordinator, Dr. Bilawal Rehman, was appointed the same day.

Classes commenced on July 16, 2022, a moment of understated triumph for a university that had only started admitting its first batch of students just a year earlier. However, barely a month after classes began, the University was dealt

with an unexpected blow. On August 17, 2022, the same department that had initially approved the use of the library rescinded its permission, without warning or rationale. This sudden bureaucratic volte-face threatened to derail months of preparation and the academic future of 220 newly enrolled students. NSU had already invested millions in equipment, furniture, and preparatory costs. Students had been selected after rigorous vetting, and training was set to begin by the University in five skills development disciplines. This decision not only disrupted the academic schedule but also put the financial investments and the future of the students at risk.

Most initiatives would have stalled in institutional fragility and bureaucratic uncertainty. But the University, undeterred,

quickly relocated classes to a rented facility by January 2023, keeping the momentum alive.

### **Promising Support**

What followed, during continued efforts, was the most critical turning point in the campus' journey. On November 24, 2022, a MoU signed between NSU and the ETPB to lease land in Muridke. Witnessed by then Federal Minister for Education, Rana Tanveer Hussain, and the late Federal Minister for Religious Affairs, Mufti Abdul Shakoor, the agreement promised NSU permanence and the spatial breathing room to realize its vision.

The leased land, 106 Kanal and 19 Marla's situated on Narowal Road, provided the basis for a purpose-built campus. A revised PC-I proposal was submitted

to the Higher Education Commission of Pakistan, seeking funding for the full-fledged sub-campus. A nod from NAVTTC promising 200 skills training scholarships further supported the University's prospects, promising a bright future for the students of Muridke.

### **Threads of Vision Amid Administrative Knots**

Yet, the story of NSU Muridke is not merely land transfers and official memos. It is a narrative about perseverance against challenges and the administrative opacity of determined and effective leaders. It demonstrates how institutional inertia can be challenged by coordinated effort, clarity of vision, and unshaken commitment, inspiring all those involved in the field of education.



Acquisition of land for the NSU Sarmad Tanveer Campus (MOU Signing)

It's also a parable of opportunity: in a country grappling with unemployment and a growing skills gap, a university expanding vocational training in overlooked regions is nothing short of revolutionary.

### **The Continuing Story of the Sarmad Tanveer Campus, National Skills University Islamabad – Muridke**

The genesis of the Sarmad Tanveer Campus (STC) in Muridke, a distinguished extension of the National Skills University Islamabad, is emblematic of Pakistan's evolving commitment to vocational excellence and regional development. Envisioned as a concrete hope with a promising technical education for the youth of Sheikhpura and its adjoining districts, the campus emerged through a formal notification (F. No. 7-113/NSU/2022 dated July 6, 2022), after the grant of a provisional No Objection Certificate from the Higher Education Commission of Pakistan. This pivotal initiative received the full endorsement of the University's Senate during its fifth convening, underscoring the institution's support and commitment to the project, and setting into motion a journey marked by aspiration, resilience, and academic promise.

The ceremonial inauguration of academic activities on January 9, 2023, presided over by the then Honorable Minister for Federal

Education and Professional Training, also serving as the Pro-Chancellor of the University, was a moment of profound significance. It signaled not merely the commencement of classes, but the birth of an institutional vision devoted to enabling young men and women to enter the workforce not merely as jobseekers, but as skilled, adaptable contributors to the national economy.

From its inception, the NSU Sarmad Tanveer Campus Muridke has striven to bridge the gap between academic preparation and market realities. All skills training programs are aligned with the national curricula and quality frameworks of NAVTTC and NVQF laid the foundation for a teaching model distinguished by practical applications, industrial exposure, and professional certification.

The campus's pedagogical integrity is upheld through meticulous academic record-keeping, including detailed course folders comprising lecture plans, assessment instruments, and documentation of practical and industrial engagements. Faculty and staff are rigorously selected to ensure that delivery standards meet those mandated by the Higher Education Commission, and every program is subject to systematic evaluation.



NSU Sarmad Tanveer Campus Foundation Laying Ceremony

The results of this initiative have already begun to resonate. Over 400 students have completed training at the campus, transitioning into gainful employment across multiple sectors, many establishing independent enterprises or joining the burgeoning domain of digital freelancing. Over 115 learners are enrolled in NAVTTC-supported short courses from March 2025, further exemplifying the trust reposed in the institution by national bodies and the community alike.

Parallel to these academic undertakings, significant progress has been made on the physical development of the permanent campus. Situated strategically near Khawaja Rice Mills on Narowal

Road, the 12-acre land earmarked for construction is undergoing phased development. The initial phase, comprising constructing a secure boundary wall, has been successfully concluded. The second phase, currently underway, includes establishing purpose-built academic and administrative blocks, which will considerably enhance the University's capacity to deliver a comprehensive skills-based education in a purpose-designed environment.

Looking ahead, the Sarmad Tanveer Campus aspires to expand its program offerings and deepen its institutional partnerships both within Pakistan and abroad. By fostering linkages with industry,

academia, and governmental agencies, the campus aims to create a dynamic ecosystem of learning and employment wherein students are equipped with credentials and capabilities.

### **Advancing the Mission of Skills Education: Collaborative Endeavours at the NSU Sarmad Tanveer Campus**

The steady advancement and growing reputation of the National Skills University Islamabad (NSU) and its Sarmad Tanveer Campus in Muridke are deeply indebted to the generous and sustained support of numerous academic and institutional partners. Their contributions, ranging from infrastructure to intellectual and moral encouragement, have proven indispensable in the foundational and developmental phases of this pioneering initiative.

In the early days of the NSU Sub-campus's establishment, Prof. Dr Murtaza Jafri, Vice Chancellor of the National College of Arts (NCA), made a valuable contribution by donating computer systems to facilitate digital skills training in Muridke. Simultaneously, Prof. Hina Tayyaba Khalil, Vice Chancellor of the Pakistan Institute of Fashion and Design (PIFD), extended critical support towards introducing industrial stitching classes, thus paving the way for technical and vocational training aligned with contemporary



NSU Sarmad Tanveer Campus Visit by the NSU Main Campus Senior Officials

industry needs.

The University of Veterinary and Animal Sciences (UVAS), then under the leadership of Prof. Dr Nasim Ahmad, S.I., has been a consistent intellectual and logistical partner. In particular, the institution extended generous hospitality to NSU personnel, providing accommodations and facilitating weekly travel from Islamabad. Such unwavering collegiality has been essential to sustaining the operations and outreach of the NSU-Sarmad Tanveer Campus Muridke, Sheikhpura.

Of particular note has been the continued support from the National Vocational and Technical Training Commission (NAVTTTC), which has actively facilitated the advancement of skills-based education

since the campus's inception. Ms Gulmina Bilal Ahmad, Chairperson of NAVTTC, 's visit in December 2024 as Chief Guest of the 2nd Graduate Ceremony stands out as a moment of great encouragement. Her presence at the skills certificate distribution ceremony significantly uplifted the morale of the student body and institutional leadership alike.

Speaking as the chief guest at the aforementioned ceremony, Ms Ahmad commended NSU and its Muridke campus for their growing impact on Pakistan's skills education landscape. "NSU and its sub-campus in Muridke have emerged as leading institutions in skills education," she observed. "It is heartening to hear the inspiring success stories of the young men and women receiving their certificates today. The credit belongs to the visionary leadership and dedicated teams working with tireless commitment to human resource development."

The above event celebrated the culmination of intensive, market-relevant training programs, with 151 students successfully completing short-term courses. These training programs covered key sectors of national and global relevance, such as e-commerce, fashion design and dressmaking, beautician training, domestic and industrial electrical work, mobile phone repair, and the

maintenance of UPS and solar PV systems. Each program was designed to equip students with job-ready skills in their respective fields.

Ms Ahmad further noted that many graduates from the Sarmad Tanveer Campus have already secured meaningful employment within Pakistan and in international markets such as Saudi Arabia, Bahrain, Muscat, and Abu Dhabi. She remarked, "It is encouraging to see these young professionals contributing not only to Pakistan's economy but also distinguishing themselves abroad. "

Acknowledging the sage leadership of Prof. Dr Muhammad Mukhtar, Founding Vice Chancellor of NSU, and Dr Bilawal Rehman, Acting Campus Director, Ms Ahmad praised their vision and resolve. "The achievements of NSU Sarmar Tanveer Campus speak volumes about the perseverance and purpose of those who lead them. The dedicated trainers who have equipped these students with job-ready skills also merit our sincerest appreciation," she said.

During her interaction with students and their families, Ms Ahmad underscored the transformative role of skills education in improving livelihoods and fostering inclusive development. She reaffirmed NAVTTC's commitment to scaling such initiatives, ensuring that quality vocational

education reaches an ever-expanding population segment.

### **The Unsung Architects of Transformation: Faculty and Staff at NSU–Sarmad Tanveer Campus**

The faculty and staff stationed at the NSU–Sarmad Tanveer Campus in Muridke have rendered service of exceptional character and consequence. In an environment that demands resilience and adaptability, they have not only endured but excelled, shaping a generation of skilled individuals now contributing meaningfully to the national economy and global workforce. Their commitment has empowered hundreds of young men and women, many of whom have established their own enterprises as entrepreneurs, while others have secured dignified employment within Pakistan and abroad. This transformation, forged under often testing conditions, shed light on the faculty’s pedagogical devotion and the staff’s unwavering operational support. Their contribution is laudable and foundational to the university’s nationwide mission of advancing skills education.

### **Vice-Chancellor’s Concluding Note**

As we reflect on the remarkable journey of establishing the Sarmad Tanveer Campus of the National Skills University in

Muridke, I acknowledge the collective spirit, resilience, and unyielding commitment that have brought us to this juncture. This is not merely a campus story; it is the narrative of a team bound by purpose, tested by challenge, and distinguished by perseverance.

In expressing my profound gratitude, I begin by offering humble thanks to Almighty Allah, whose grace and guidance ferried us through what, at times, appeared to be insurmountable challenges. I also want to extend my personal thanks to each and every one of you, whose dedication and hard work have made the realization of this sub-campus possible. Your refusal to be deterred by circumstance and your pursuit of a vision for skills education in Pakistan are truly inspiring.

At the forefront of this effort stands Dr Bilawal Rehman, whose unwavering dedication from the project’s inception to its present-day functioning merits the highest commendation. As Acting Campus Director, Dr Rehman has not only administered the day-to-day affairs of the Muridke campus with efficiency and foresight but has also become the embodiment of our institutional ethos.

I would also like to extend heartfelt appreciation to Mr. Muhammad Ali Wallana and Dr Sarwat Naz Mirza, who

have provided indispensable support to this endeavor in their roles as Registrars. Mr Wallana played a vital role in matters relating to the PC-I and early administrative processes, laying the groundwork for what has now become a thriving academic space.

Our progress has also been sustained by the tireless service of Mr Mahmood ul Hassan, Acting Director of Estate Care, whose readiness to serve and consistent presence in Muridke has been reassuring and effective. In parallel, the advisory roles of Mr Ejaz Ahmad, Treasurer, and Mr Rana Liaqat Ali, Auditor, have brought clarity, discipline, and prudence to our financial stewardship.

Mr Erfan Ullah and his team have overseen civil works, ensuring the physical integrity and quality of our campus infrastructure. The recent contributions of the newly appointed Registrar, Treasurer, and Director of Planning and Development mark a promising continuation of our shared journey.

Equally vital has been the operational bridge built by Mr Taimoor Baloch and Mr Hamza, Assistant Registrars, who have ably connected the activities of the main campus in Islamabad with those of Muridke, fostering cohesion and coherence in institutional governance.

No account of our progress would be complete without recognizing the invaluable role of Mr. Rana Tanveer Hussain, whose visionary directive during his tenure as Federal Minister of Education gave life to this project. His patronage and hospitality continue to be the cornerstone of the campus's sustainability.

Finally, I must express sincere appreciation for Haji Muhammad Siddiq, the contractor whose stewardship of the campus construction and that of his family has gone far beyond the bounds of professional obligation. Their enduring support reflects a community commitment that gives meaning to our national mission.

### **NSU Sarmad Tanveer Campus - A Hope for Muridke Youth**

As of today, the NSU Sarmad Tanveer Campus Muridke stands not as a temporary patch but as a permanent promise. Its literal and metaphorical foundations are laid upon good academic planning, and the unspoken sacrifices of dozens of university staff. The rented classrooms hum with activity, and the shadow of a future purpose-built campus now looms closer than ever.

The journey of NSU Muridke reminds us of the fact that nation-building often begins far from the headlines, in memos, site visits, committee meetings, and

hastily arranged class inaugurations. It is there, in these overlooked problematic trenches, where dreams take shape. And if those dreams endure the chaos long enough, they become institutions.

# Department of Civil Engineering Technology

## A. Research Publications:

1. Asfandyar, M., Bazai, N. A., Chen, H., Habib, M., Iqbal, J., Baig, M. A., & Hasan, M. (2025). Enhancing Sustainable Flood Resilience and Energy Efficiency in Residential Structures: Integrating Hydrological Data, BIM, and GIS in Quetta, Pakistan. *Sustainability*, 17(6), 2496.
2. Khan, M., Irfan, M., Habib, M., Mahar, W. A., & Batool, A. (2024). Barriers to Adopting Green Building Practices: A Case Study of Quetta, Pakistan. *The Sciencetech*, 5(3), 180-196.
3. Yousaf, M., Sohail, M., Tayyab, M., Javedan, M., & Habib, M. (2024). Structural Design of RCC Building Using Integrated BIM-Based Design Workflow and Analysis Result Comparison between ETABS and RSAP. *Jurnal Kejuruteraan*, 36(1), 211-221.
4. Ali, F., Azam, H., & Habib, M. (2023). Evaluation of Seismic Response of 3D Building Frame with and without Base Isolation Using Finite Element Analysis. *Engineering Proceedings*, 44(1), 10. <https://doi.org/10.3390/engproc2023044010>.
5. Siddiqi, M. I., Qureshi, H. A., Jamil, I., & Alshawmar, F. (2024). Effect of Relative Density on the Lateral Response of Piled Raft Foundation: An Experimental Study. *Buildings*, 14(11), 3687.
6. Hussain, S., Ahmad, I., Jamil, I., Khan, F. A., Ullah, M., ul Islam, S., Iqbal, M., & Nawaz, R. (2025). Experimental Evaluation of Mechanically Stabilized Earth Walls Reinforced with Glass Fiber Reinforced Polymer Bars Embedded in Marble Waste-Sand Mixtures. *Results in Engineering*, 104180.
7. Khan, H., Ahmad, Q. K., Khan, H. N., Khan, U., Jamil, I., & Siddiqi, M. I. (2025). Effect of Vertical Contact Pressure on the Lateral response of Combined Piled Raft Foundation: A Numerical Study. *Journal of Himalayan Earth Sciences*, 58(1), 60-73.

## B. Research Projects

1. Project Title: Mechanical properties of Recycled aggregate and Normal aggregate concrete an experimental study Amount (PKR): 0.06 million

Funding Agency: Green Youth Movement Club NSU, Pakistan

Year: 2023

### **C. Seminars/Workshops/Conferences Organized:**

1. Occupational Health & Safety Training Workshop in collaboration with Rescue 1122 at NSU, Islamabad, February 20th, 2025.
2. Quantity Surveying with PLANSWIFT workshop in collaboration with International Trainer Mr. Saady Chouhan, Founder of Noble QS at NSU, Islamabad, November 21, 2024
3. Tunneling Today: Connecting Pakistan Tomorrow, Seminar in collaboration with Tunneling Institute of Pakistan by Dr. Rao Arsalan Khushnood, PhD, Section Head- Tunneling Institute of Pakistan, November 01, 2024.
4. Green Construction & Affordable Housing in Pakistan, Technical Lecture in collaboration by Structax Consultant, August 03, 2024.

### **D. Seminars/Workshops/Conferences Attended:**

1. International Webinar on Which CO<sub>2</sub> mineralization technologies for concrete materials are the most promising, Organized by RILEM Youth Symposium on April 3, 2025.
2. International Webinar on Low Carbon Cement Based-Materials: From Mineral Dissolution to Properties Optimization Organized by RILEM Association on February 6, 2025
3. International Webinar on Transforming the Built Environment from a Net-Carbon Emitter to a Critical Carbon Sink with CO<sub>2</sub>-Sequestering Concrete Products Organized by The American Ceramics Society February 5, 2025.

# Department of Electrical Engineering Technology

## A. Research Publications:

1. Obaid, H. M., Javaid, Z. B., & Ahmad, I. (2023). Performance optimization of different Raman amplifier configurations for improved gain using multiparameter optimization algorithm. *Optical and Quantum Electronics*, 55(5), 385.
2. Zahoor, S., Ahmad, I., Rehman, A. U., Eldin, E. T., Ghamry, N. A., & Shafiq, M. (2023). Performance evaluation of virtualization methodologies to facilitate NFV deployment. *\*CMC-Computers, Materials & Continua*, 75\*(1), 311–329.
3. Khan, M. U., Azib, H. M., Arif, W., & Raza, S. S. (2023). Vigil AI Assemble leveraging ensemble technique for enhanced detection of multi-converter synchronous active islanding mode in hybrid power distribution systems. *Sukkur IBA Journal of Emerging Technologies*, 6(2), 43–67.
4. Ellahi, M., Rehan, M. B., Raza, A., Arif, W., Hassan, M. W., & Usman, H. F. (2023). PV based automatic irrigation system. *Pakistan Journal of Engineering and Technology*, 6(1), 74–85.
5. Aziz, Y., Janjua, A. K., Hassan, M., Anwar, M., Kanwal, S., & Yousif, M. (2023). Techno-economic analysis of PV systems installed by using innovative strategies for smart sustainable agriculture farms. *Environment Development and Sustainability*, 26(2), 5003–5024.
6. Ali, A. R., Jan, A. Z., Kedzia, K., Majeed, A. H., Machado, J. M., & Habib, M. I. (2023). An Overview of Unveiling the Essence of Digital Hydraulic Technology: A Comprehensive Exploration and Classification. *Research Square (Research Square)*.
7. Habib, M. I. (2024). A Weather-Resilient Electronic Circuit Breaker (ECB) for enhanced electrical safety and efficiency. *Research Square (Research Square)*.
8. Habib, M. I. (2024). Cybersecurity for smart Inverters: State-of-the-Art Review. *Pakistan Journal of Engineering and Technology*, 7(4), 151–158.
9. Habib, M. I., & Rabia, N. (2024). The multifaceted impact of solar energy on Pakistani society economic, geographic, sociological, political, environmental, and urban planning perspectives. *the Regional Tribune.*, 3(1), 19–34.

## **B. Research Project:**

1. Project Title: Hybrid Concentrated Solar Power for Industrial and Domestic Application.

Amount (PKR): 3.31 million

Funding Agency: Pakistan Science Foundation, Pakistan

Year: 2024

## **C. Seminars/Workshops/Conferences Organized:**

1. The Impact of Digital Skills for the Future of Work, March 15th, 2024.
2. Health and Safety Seminar/Workshop by Rescue 1122, February 20th, 2025

## **D. Seminars/Workshops/Conferences Attended**

1. Long terms power system planning, May 25th, 2024.
2. Power purchase agreements, July 16th, 2024.
3. 5th Generation Communication and beyond, February 24th, 2025.

## DEPARTMENT OF GENERAL STUDIES

### A. Research Publications:

1. Zehra, I., Raza, M.Z., Maraj, E.N., Akbar, N.S., Zidan, A.M., & Muhammad, T. (2025). Rheological aspects of peristaltic flows in the presence of hybrid nanofluids considering the influence of porosity and dissipative effects. *Multiscale and Multidisciplinary Modeling, Experiments and Design*. 8, 57-69. (SCI, I.F. 1.9)
2. Akbar, N.S., Akram, J. Hussain, M.F., Maraj, E.N. & Muhammad, T. (2024). Hybrid nanofluid flow and heat transfer in symmetric porous ducts with CuO nanoparticles and multi-walled carbon nanotubes under peristaltic motion. *Modern Physics Letter B*, 38, 2450333. (SCI, I.F. 1.8)
3. Maraj, E.N., Afaq, H., Azhar, E., Jamal, M. & Mahmoud, H.A. (2024). Exploring the impact of Joule heating and Brownian motion on assisting and opposing flows in Eyring-Prandtl fluid. *Heliyon*. 10, e38746. (SCI, I.F. 3.4)
4. Akbar, N.S., Maraj, E.N., Shah, S.I. & Muhammad, T. (2024). Nano particle distribution in blood via electroosmotic peristaltic flow in a non-uniform wavy membrane base capillary. *Sensors and Actuators A: Physical*. 376, 115626. (SCI, I.F. 4.1)
5. Shaiq, S., Hayat, U., Maraj, E.N. & Shahzad, A. (2024). Numerical investigation of electrically conducting thin film flow and heat transfer improvement for various shaped Sn-PG and W-PG nanofluids over an unsteady curved stretching surface. *Multiscale and Multidisciplinary Modeling. Experiments and Design*. 7, 4557-4567. (SCI, I.F. 1.9)
6. Azhar, E., Maraj, E.N., Afaq, H., Jamal, M. & Iqbal, Z. (2024). Application of activation energy and Joule heating with variable viscosity on MHD flow of trihybrid nanofluid over a disk. *International Communications in Heat and Mass Transfer*. 155, 107573. (SCI, I.F. 6.4)
7. Shaiq, S., Maraj, E.N., & Shahzad, A. (2024). An unsteady instigated induced magnetic field's influence on the axisymmetric stagnation point flow of various shaped copper and silver nanomaterials submerged in ethylene glycol over an unsteady radial stretching sheet. *Numerical Heat Transfer, Part A: Applications*. 85, 822-844. (SCI, I.F. 2.8)
8. Akbar, N.S., Akram, J., Hussain, M.F., Maraj, E.N., & Muhammad, T. (2024). Thermal storage study and enhancement of heat transfer through hybrid Jeffrey nanofluid

- flow in ducts under peristaltic motion with entropy generation. *Thermal Science and Engineering Progress*. 49, 102463. (SCI, I.F. 5.1)
9. Maraj, E.N., Akbar, N.S., Kousar, N., Zehra, I., & Muhammad, T. (2024). Thermal enhancement of nano-fluidic transport confined between disk and cone both rotating with distinct angular velocities and heat transfer. *International Journal of Numerical Methods for Heat & Fluid Flow*. 34, 473–493. (SCI, I.F. 4.2023)
  10. Subhani, M., Ullah, N., Nadeem, S., Aziz, A., Sardar, H., (2024). Modeling and numerical analysis of micropolar hybrid-nanofluid flow subject to entropy generation. *International Journal of Modern Physics B*. 38 (21), 2450285. (SCI, I.F. 2.6)
  11. Aziz, A., Aziz, A., Ullah, I., Subhani, M. (2023). Numerical simulation for 3D rotating flow of nanofluid with entropy generation. *International Journal of Modelling and Simulation*. 43(3), 101–122. (SCI, I.F. 3.1)
  12. Akbar, N.S., Akhtar, S., Maraj, E.N., Anqi, A.E., & Homud, R.Z. (2023). Heat transfer analysis of MHD viscous fluid in a ciliated tube with entropy generation. *Mathematical Methods in the Applied Sciences*. 46, 11495–11508. (SCI, I.F. 2.1)
  13. Maraj, E.N., Shah, S.I., Akbar, N.S., & Muhammad, T. (2023). Thermally progressive Particle-Cu/Blood peristaltic transport with mass transfer in a Non-Uniform Wavy Channel: Closed-form exact solutions. *Alexandria Engineering Journal*. 74, 453–466. (SCI, I.F. 6.8)
  14. Maraj, E.N., Akbar, N.S., Zehra, I., Butt, A.W., & Alghamdi, H.A. (2023) Electro-osmotically modulated magneto hydrodynamic peristaltic flow of menthol based nanofluid in a uniform channel with shape factor. *Journal of Magnetism and Magnetic Materials*. 576, 170774. (SCI, I.F. 2.7)
  15. Mehmood, R., Ali, I., Ijaz, S., Rana, S., & Maraj, E.N. (2023). Radiative slip transport of magnetized gyrotactic micro-organisms submerged with nano fluid along a vertical stretching surface with suction/injection effects, *Proceedings of the institution of mechanical engineers. part N: Journal of Nanomaterials, Nanoengineering and Nanosystems*. 0 (2023) doi:10.1177/23977914231176866. (SCI, I.F. 4.2)
  16. Duraihem, F.Z., Maraj, E.N., Akbar, N.S., Mehmood, R. (2023). Thermal stratification effect on gravity driven transport of hybrid CNTs down a stretched surface through porous medium. *Heliyon*. 9, e15699. (SCI, I.F. 4.0)

17. Maraj, E.N., Bibi, A., Ijaz, S., Mehmood, R. (2022). MHD carbon nanotubes gravity-driven flow along a thermal sensitive porous surface. *Arabian Journal for Science and Engineering*. 47, 15875–15885. (SCI, I.F. 2.9)
18. Akbar, N.S., Maraj, E.N., Noor, N.F.M., Habib, M.B. (2022). Exact solutions of an unsteady thermal conductive pressure driven peristaltic transport with temperature-dependent nanofluid viscosity. *Case Studies in Thermal Engineering*. 35, 102124–102135. (SCI, I.F. 6.268)
19. Shaiq, S., Maraj, E.N., Mehmood, R., Ijaz, S. (2022). Magnetohydrodynamics radiative dissipative slip flow of hydrogen-oxide (H<sub>2</sub>O) infused with various shape tungsten, tin, titanium (nanometer) particles over a nonlinear radial stretching surface. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*. 236, 953–963. (SCI, I.F. 1.822)
20. Ijaz, S., Batool, M., Mehmood, R., Iqbal, Z., Maraj, E.N. (2022). Biomechanics of swimming microbes in atherosclerotic region with infusion of nanoparticles. *Arabian Journal for Science and Engineering*. 47, 6773–6786. (SCI, I.F. 2.807)
21. Mehmood, R., Khan, S., Maraj, E.N., Ijaz, S., Rana, S. (2022). Heat transport mechanism via ion-slip and hall current in viscoplastic flow along a porous elastic sheet. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*. 236, 907–914. (SCI, I.F. 1.822)
22. Maraj, E.N., Zehra, I., Akbar, N.S. (2022). Rotatory flow of MHD (MoS<sub>2</sub>- SiO<sub>2</sub>)/H<sub>2</sub>O hybrid nanofluid in a vertical channel owing to velocity slip and thermal periodic conditions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 639, 128383. (SCI, I.F. 5.518)
23. Maraj, E.N., Khatoon, Z., Ijaz, S., & Mehmood, R. (2021). Effect of Arrhenius activation energy and medium porosity on mixed convective diluted ethylene glycol nanofluid flow towards a curved stretching surface. *International Communications in Heat and Mass Transfer*. 129, 105691. (SCI, I.F. 6.782)
24. Iqbal, Z., Azhar, E., Maraj, E.N. (2021). Performance of nano-powders SiO<sub>2</sub> and SiC in the flow of engine oil over a rotating disk influenced by thermal jump conditions. *Physica A: Statistical Mechanics and its Applications*. 565, 125570. (SCI, I.F. 3.778)
25. Ijaz, S., Iqbal, Z., Maraj, E.N. (2021). Mediation of nanoparticles in permeable stenotic region with infusion of different nanoshape features. *Journal of Thermal*

Analysis and Calorimetry. 147, 6993–7005. (SCI, I.F. 4.755)

### **B. Seminars/ Conferences/ Wrokshops Organized**

1. Three-Day Workshop on “Civic Responsibility and Life Skills”, December 31, 2024–January 2, 2025, Al-Mukhtar Auditorium, National Skills University, Islamabad.
2. International Women’s Day, March 8, 2023, Al-Mukhtar Auditorium, National Skills University, Islamabad
3. Math Circles in IMCG I-9/1 Islamabad, October 19, 2022.
4. Math Circles at IMSG G-8/4 Islamabad, December 6, 2022.

### **C. Seminars/Conferences/Workshops Attended**

1. 23rd National Annual women’s Rights Conference, March 8, 2025, International Women’s Day 2025, Islamabad, Pakistan
2. 3rd International Conference of Sciences “Revamped Scientific Outlook of 21st Century, 2024” (RSO-2024), November 14, 2024, Rawalpindi Women University, Rawalpindi, Pakistan
3. 2nd International Conference (Hybrid Mode) Global Academia in Emergencies and New Normal, February 8–9, 2023, FDE, Islamabad, Pakistan
4. Maths Circles workshop Multiplying the joy of maths, JUNE 23–24, 2022, LUMS, Lahore, Pakistan
5. Outcome Based Education Workshop for Teacher Training and Curriculum Development, October 27–28, 2022, Shaanxi Polytechnic Institute. (Online)
6. “Artificial Intelligence and its role in Islamic Outreach and Society, February 20,2025 Dawah Academy, IIUI, Islamabad

# Department of Health Sciences Technology

## A. Research Publications:

1. Adrees, S., Imtiaz, A., Yaseen, A., Fareed, M. I., Anwar, W., & Ashraf, A. (2024). In-silico analysis of potential anticancer drug for NEK7 and PPP1CA proteins overexpressed in pancreatic ductal adenocarcinoma. *Journal of Biomolecular Structure and Dynamics*, 1–17.
2. Mensah, G. A., Fuster, V., Murray, C. J. L., Roth, G. A., et al. (2023). Global burden of cardiovascular diseases and risks, 1990–2022. *Journal of the American College of Cardiology*, 82(25), 2350–2473.
3. Malik, M. A., Saqib, M. A. N., Mientjes, E., Acharya, A., Alam, M. R., Wallaard, I., et al. (2023). A loss of function variant in AGPAT3 underlies intellectual disability and retinitis pigmentosa (IDRP) syndrome. *European Journal of Human Genetics*, 31(12), 1447–1454.
4. Naeem, I., Mateen, R. M., Hassan, S. S., Tariq, A., Parveen, R., & Saqib, M. A. N. (2023). In silico identification of potential drug-like molecules against G glycoprotein of Nipah virus by molecular docking, DFT studies, and molecular dynamic simulation. *Journal of Biomolecular Structure and Dynamics*, 41(15), 7104–7118.
5. Black, R. J., Cross, M., Haile, L. M., Culbreth, G. T., Steinmetz, J. D., & Hagins, H. (2023). Global, regional, and national burden of rheumatoid arthritis, 1990–2020, and projections to 2050: A systematic analysis of the Global Burden of Disease Study 2021. *The Lancet Rheumatology*, 5(10), e594–e610.
6. Wasay, M., Awan, S., Shahbaz, N., Khan, S., Sher, K., Malik, A., & Mustafa, S. (2023). Neurological disorders and disability in Pakistan: A cross-sectional multicenter study. *Journal of the Neurological Sciences*, 452, 120754.
7. Azadnajafabad, S., Saeedi Moghaddam, S., Mohammadi, E., & Rezaei, N. (2023). Burden of breast cancer and attributable risk factors in the North Africa and Middle East region, 1990–2019: A systematic analysis for the Global Burden of Disease Study 2019. *Frontiers in Oncology*, 13, 1132816.
8. Hafeez, A., Dangel, W. J., Ostroff, S. M., Kiani, A. G., Glenn, S. D., Abbas, J., Afzal, M. S., et al. (2023). The state of health in Pakistan and its provinces and territories, 1990–2019: A systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Global Health*, 11(2), e229–e243.

9. Zahoor, S., Malik, U., Atif, M. M., Asif, S., Khan, A., Hanif, S., Rafique, I., & Saqib, M. A. N. (2023). Frequency of hypokalemia, clinical implications and risk factors in patients of COVID-19. *Pakistan Journal of Medical Research*, 62(4), 148–152.
10. Chand, P., Sultan, T., Kulsoom, S., Jan, F., Ibrahim, S., Mukhtiar, K., & Awan, S. (2023). Spectrum of common pediatric neurological disorders: A cross-sectional study from three tertiary care centres across Pakistan. *Pediatric Neurology*, 138, 33–37.
11. R. Mehmood, S. J. Awan, L. Khan, Sabeen Malik et.al. (2023) Ascorbic Acid: A Potent Agent for Mitochondrial Damage Repair in H<sub>2</sub>O<sub>2</sub> Treated Bone Marrow Mesenchymal Stromal Cells, *Journal of Therapies & Rehabilitation Sciences*, 10, 150–154.
12. Shoukat, M., Ullah, F., Tariq, M. N., Din, G., Khadija, B., & Faryal, R. (2023). Profiling of potential pathogenic *Candida* species in obesity. *Microbial Pathogenesis*, 174, 105894.
13. Khadija, B., Siddiqa, A., Tara, T., Zafar, S., Saba, U., Roohullah, Rubab, U., & Faryal, R. (2023). *Candida-Candida* and *Candida-Staphylococcus* species interactions in in-vitro dual-species biofilms. *International Journal of Health Sciences*, 6(S10), 1514–1527.
14. Ullah, R., Amir, M., Anjum, S., Rehman, M. U., Hasan, T. N., Naqvi, S. S., Faryal, R., Khan, H. A., Khadija, B., Arshad, N., Rashid, Z., Yousaf, M., Ammad, M., & Mazhar, K. (2023). Presence of T3SS (*exoS*, *exoT*, *exoU* and *exoY*), susceptibility pattern and MIC of MDR-*Pseudomonas aeruginosa* from burn wounds. *Journal of Infection in Developing Countries*, 17(8), 1130–1137
15. Khadija, B., & Faryal, R. (2024). Association of Interleukin-13 and Toll-like Receptor-2 Polymorphisms with Lymphoma Susceptibility: A Case-Control Study from Islamabad, Pakistan. *Kashf Journal of Multidisciplinary Research*, 1(2), 45–53.
16. Samavi, A., Mahmood, R. T., Hussain, M. A., Hadri, S. H., Iqbal, R., Javed, M., Amar, L., & Latif, F. (2024). Extraction and analysis of secondary metabolites from *Pleurotus ostreatus* for its biomedical applications. *Journal of Xi'an Shiyou University, Natural Science Edition*, 20(4), 675–703.
17. Shah, M. B., Asad, M. J., Naqvi, S. M. S., Malik, S. I., Iqbal, R., Nawaz, Z., & Asad, M. J. (2024). Dissecting bread wheat heritability for yield and yield related physiological components for drought tolerance. *Kurdish Studies*, 12(6), 40–47
18. Iqbal, R. (2024). Health impacts of environmental issues in Pakistan: Challenges and solutions. In *International Conference on Environmental Pollutants and Toxicants*

Affecting Health: Collaborative Efforts for Improving Quality of Life (pp. 53–54). Center of Excellence on Environmental Health and Toxicology (CoE EHT), National Research Council of Thailand.

19. Qasim, M., Haroon, A., Ullah, M., Amir, N., Imtiaz, H., Tara, T., Shireen, F., Qayum, N., Ullah, M. J., & Ullah, I. (2024). Prevalence and antibiotic susceptibility pattern of *Pseudomonas aeruginosa* from the foot ulcer of diabetic patients in Hayatabad Medical Complex Peshawar, Pakistan. *Journal of Health and Rehabilitation Research*, 4(2), 414–420.
20. Tara, T., Khan, M. H., Shireen, F., Nawab, H., & Qaisar. (2024). Association of maternal lifestyle factors and hemoglobin with low birth weight. *Journal of Health and Rehabilitation Research*, 4(2), 1559.
21. Shireen, F., Qayum, N., Ullah, M. J., Tara, T & Ullah, I. (2024). Prevalence and antibiotic susceptibility pattern of *Pseudomonas aeruginosa* from the foot ulcer of diabetic patients in Hayatabad Medical Complex Peshawar, Pakistan. *Journal of Health and Rehabilitation Research*, 4(2), 415.
22. Hira, S., Tara, T., & Gulfraz, M. (2024). Protective effects of ethyl acetate extract from *Ficus carica* L. leaves against CCl<sub>4</sub>-induced hepatotoxicity in vitro and in vivo. *National Journal of Life and Health Sciences*, 3(2), 87–93.
23. Ur Rahman, A., & Tara, T. (2024). Depression among fast food and traditional food users in adults. *National Journal of Life and Health Sciences*, 3(2), 71–75.
24. Hira, S., Tara, T., & Gulfraz, M. (2024). Protective effects of ethyl acetate extract from *Ficus carica* L. leaves against CCl<sub>4</sub>-induced hepatotoxicity in vitro and in vivo. *National Journal of Life and Health Sciences*, 3(2), 89–95.
25. Sabir, S. R., Shireen, F., Tara, T., & Ali. (2025). Investigation of the antitumor potential of *Scutellaria baicalensis*-derived flavones in human cervical carcinoma cells. *Indus Journal of Bioscience Research*, 3(1), 745–749.
26. Lodhi, H. N., Chaudry, S. R., Nasreen, S., Siddiqui, A. H., Yousaf, R. M., Chiragh, S., & Saeed, M. (2024). Effect Of White Sugar, Brown Sugar and Jaggery Powder Syrup on Biochemical and Histopathological Markers Of Sprague–Dawley Rats. *Pakistan Journal of Physiology*, 20(1), 3–7.
27. Maryam, S., Fatima, R., Ashfaq, M., Hassan, N., Bibi, A., Syed, A., & Kamran, M.

(2023). Epidemiological studies of COVID-19 disease: A story of SARS CoV-2 infection from origin to hospital. International Journal of Health Sciences, 7(S1), 990–1030.

### **B. Research Projects:**

1. Project Title: Climate change and development of antimicrobial resistance in forest ecosystem: an emerging dual threat to global health

Amount (PKR): 2.9 million

Funding Agency: National Institute of Health, Islamabad, Pakistan

Year: 2023

### **C. Seminars/Workshops/Conferences Organized:**

1. Blood Awareness Workshop and Donation Camp, March 17th, 2023.
2. Islam & Health Workshop, December 27, 2023
3. 12th National Seminar on MLTAP, February 24, 2024.
4. Seerat Festival in with National Rahmatul-lil-Alameen Wa Khatamun Nabiyyin Authority (NRKNA), September 22, 2024.
5. Fit For Health Workshop in collaboration with Novonordisk Islamabad, July 23, 2024.
6. Civic Responsibility and Life Skills Workshop, December 31, 2024.
7. One-day Seminar on Global Opportunities in Medical Laboratory Technology: Pathways to International Certification, December 19, 2024.

### **D. Seminars/Workshops/Conferences Attended:**

1. International Conference on Environmental Pollutants and Toxicants Affecting Health: Collaborative Efforts for Improving Quality of Life. Center of Excellence on Environmental Health and Toxicology (CoE EHT), National Research Council of Thailand, July 2024.

2. 2nd International Conference on Innovations in Chemistry, Biochemistry, Biotechnology & Bioinformatics 2024, Baghdad-ul-Jadeed Campus, Islamia University Bahawalpur, December 16-18, 2024.
3. Cyber Biosecurity Training for Life Science Researchers, National Skill University Islamabad, November 18-21, 2024.
4. Spark Venture Spark 2024, Bahauddin Zakariya University, Multan (Pakistan), December 10, 2024.

# Department of Information Engineering Technology

## A. Research Publications:

1. Israr, H., Khan, S. A., Tahir, M. A., Shahzad, M. K., Ahmad, M., & Zain, J. M. (2025). Knowledge- $\times$ Grounded Attention- $\times$ Based Neural Machine Translation Model. *Applied Computational Intelligence and Soft Computing*, 2025(1), 6234949.
2. Israr, H., Shahzad, M. K., & Anwar, S. (2024). Improved Urdu-English Neural Machine Translation with a fully Convolutional Neural Network Encoder. *International Journal of Mathematical, Engineering & Management Sciences*, 9(5).
3. Israr, H., Parvaz, N., & Khan, S. A. (2024). Urdu-to-English neural machine translation using transformer with subword tokenization. *Information Sciences Letters (ISL)*, 13(5), 1–18.
4. Pervaiz, A., Hussain, F., Israr, H., Tahir, M. A., Raja, F. R., Baloch, N. K., Ishmanov, F., & Zikria, Y. B. (2020). Incorporating Noise Robustness in Speech Command Recognition by Noise Augmentation of Training Data. *Sensors*, 20(8), 2326. <https://doi.org/10.3390/s20082326>
5. Abidin, A. F. Z., Darmawan, M. F., Osman, M. Z., Anwar, S., Kasim, S., Yunianta, A., & Sutikno, T. (2019). Adaboost-multilayer perceptron to predict the student's performance in software engineering. *Bulletin of Electrical Engineering and Informatics*, 8(4), 1556–1562.
6. Anwar, S., Zolkipli, M. F., Mezhuyev, V., & Inayat, Z. (2020). A smart framework for mobile botnet detection using static analysis. *KSII Transactions on Internet and Information Systems (TIIS)*, 14(6), 2591–2611.
7. Jaber, A. N., Anwar, S., Khidzir, N. Z. B., & Anbar, M. (2021). The importance of ids and ips in cloud computing environment: Intensive review and future directions. Paper presented at the *Advances in Cyber Security: Second International Conference, ACeS 2020*, Penang, Malaysia, December 8–9, 2020, Revised Selected Papers 2.
8. Junior, B. A., Majid, M. A., Romli, A., & Anwar, S. (2020). Green campus governance for promoting sustainable development in institutions of higher learning—evidence from a theoretical analysis. *World Review of Science, Technology and Sustainable Development*, 16(2), 141–168.
9. Jusoh, R., Firdaus, A., Anwar, S., Osman, M. Z., Darmawan, M. F., & Ab Razak, M. F.

- (2021). Malware detection using static analysis in Android: a review of FeCO (features, classification, and obfuscation). *PeerJ Computer Science*, 7, e522.
10. Naveed, H., Sohail, A., Zain, J. M., Saleem, N., Ali, R. F., & Anwar, S. (2023). Detection of toxic content on social networking platforms using fine-tuned ulmfit model. *Intelligent Automation and Soft Computing*, 35(1), 15–30.
  11. Shahnawaz, M. B., Dawooda, H., & Iqbal, U. (2024). Heart rate variability analysis in controls and epilepsy patients with or without receiving treatment: a clinical review and meta-analysis. *Neural Computing and Applications*, 36(29), 18043–18063.
  12. Al-Anbuky, A., Altaf, S., & Gheitasi, A. (2024). Cyber-Physical Distributed Intelligent Motor Fault Detection. *Sensors*, 24(15), 5012.
  13. Altaf, S., Al-Anbuky, A., & Gheitasi, A. (2024). Enhancing Fault Detection in Distributed Motor Systems Using AI-Driven Cyber-Physical Sensor Networks. *Engineering Proceedings*, 82(1), 78.
  14. Altaf, S., Asad, R., Ahmad, S., Ahmed, I., Abdollahian, M., & Zaindin, M. (2023). A Hybrid Framework of Deep Learning Techniques to Predict Online Performance of Learners during COVID-19 Pandemic. *Sustainability*, 15(15), 11731.
  15. Altaf, S., Haroon, M., Ahmad, S., Nasr, E. A., Zaindin, M., Huda, S., & Rehman, Z. u. (2023). Radio-frequency-identification-based 3D human pose estimation using knowledge-level technique. *Electronics*, 12(2), 374.
  16. Arooj, S., Altaf, S., Ahmad, S., Mahmoud, H., & Mohamed, A. S. N. (2024). Enhancing sign language recognition using CNN and SIFT: A case study on Pakistan sign language. *Journal of King Saud University-Computer and Information Sciences*, 36(2), 101934.
  17. Asad, R., Altaf, S., Ahmad, S., Mahmoud, H., Huda, S., & Iqbal, S. (2023). Machine learning-based hybrid ensemble model achieving precision education for online education amid the lockdown period of COVID-19 pandemic in Pakistan. *Sustainability*, 15(6), 5431.
  18. Asad, R., Altaf, S., Ahmad, S., Shah Noor Mohamed, A., Huda, S., & Iqbal, S. (2023). Achieving personalized precision education using the Catboost model during the COVID-19 lockdown period in Pakistan. *Sustainability*, 15(3), 2714.
  19. Malik, N., Altaf, S., Tariq, M. U., Ahmed, A., & Babar, M. (2023). A deep learning based sentiment analytic model for the prediction of traffic accidents. *Comput. Mater.*

Contin, 77, 1599–1615.

20. Riaz, F. M., Ahmad, S., Khan, J. A., Altaf, S., ur Rehman, Z., & Memon, S. K. (2024). Numerical Treatment of Non-Linear System for Latently Infected CD4+ T Cells: A Swarm-Optimized Neural Network Approach. IEEE Access.
21. Umar, M., Altaf, S., Ahmad, S., Mahmoud, H., Mohamed, A. S. N., & Ayub, R. (2024). Precision agriculture through deep learning: Tomato plant multiple diseases recognition with cnn and improved yolov7. IEEE Access.
22. Kanwal, T., Altaf, S., & Yousaf, R. M. (2024, September 26–27). YOLO-based real-time recognition of sign language gestures. In Proceedings of the FUSST International Conference on Computer Science and Engineering.

### **B. Seminars/Workshops/Conferences Attended:**

1. Three days' Workshop on Training in Item Development (Workshop-I) by Education Testing Council (ETC) Higher Education Commission Pakistan, April 23rd -25th ,2024.
2. Three days' Workshop on Psychometric Analysis (Workshop-II) by Education Testing Council (ETC) Higher Education Commission Pakistan, 30th April 2024-2nd May 2024.
3. Three days Workshops on Item Writing using IBS (Item Banking System (Workshop-III) by Education Testing Council (ETC) Higher Education Commission Pakistan, 7th-9th May 2024.

### **C. Students' Final Year Projects:**

The Department of Information Engineering Technology (IET) have won the following five Final Year Project (FYP) grants under the IGNITE National Grassroots ICT Research Initiative (NGIRI) for the year 2023–2024.

- i. Military Spying Robot Supervised
- ii. Tech Bin Bot
- iii. Smart Blind Stick

- iv. Variable Head Solar Grass Cutter Robot
- v. IoT Based Smart Helmet

## Department of Management Sciences

### A. Research Publications:

1. Chen, L., Kenjayeva, U., Mu, G., Iqbal, N., & Chin, F. (2024). Evaluating the influence of environmental regulations on green economic growth in China: A focus on renewable energy and energy efficiency guidelines. *Energy Strategy Reviews*, 56, 101544.
2. Lou, Q., Iqbal, N., & Alraey, Y. (2024). Sensitivity to Changes in Oil Prices, Tax returns and the Cross-Section of Stock Returns: The Present Situation for Net-Oil Exporting Economies. *Heliyon*.
3. Sheeraz, M., Hussain, K., Naeem, M., Ditta, A., Khan, N., Ali, N., ... & Khan, F. R. (2024). Bridging Growth and Sustainability: How Financial Development Shapes the GDP-Climate Finance Nexus. *Kurdish Studies*, 12(4), 1918-1938.
4. Saadullah, M., Naeem, M., Umer, K. B., Khan, N., Naheed, K., Sheeraz, M., & Iqbal, N. (2024). Risk And Resilience in Digital Payment Adoption: Analyzing Consumer Behavior Through the UTAUT2 Framework in Pakistan. *Kurdish Studies*, 12(2), 6971-6983.
5. Iqbal, T. & Raja, M. W., (2024). Examining the Effect of Interpersonal and Intrapersonal Conflict on Job Dissatisfaction and Employees Turnover Intention in the Health Care Sector of Pakistan. *Bulletin of Business and Economics (BBE)*, 13(2), 181-188.
6. Iqbal, T., & Mahmood, I. (2024). Impact of employee engagement on Organizational Productivity. *The Critical Review of Social Sciences Studies*, 2(2), 127-146.

### B. Book Chapters:

1. Sheeraz, M., Iqbal, N., & Sajid, M. (2024). A Nexus Between Climate Change Risk and Financial Performance of Agricultural Businesses in Developing Economy. In *Climate Change and Finance: Navigating the Challenges and Opportunities in Capital Markets* (pp. 255-278). Cham: Springer Nature Switzerland.
2. Iqbal, N. and Akmal Z. (2025) Green Horizons: Synthesizing Insights for Effective Low-Carbon Technology Investment in Korea. *Investment/Financing scenarios for all fuels*, ERIA, Indonesia

### C. Seminars/Workshops/Conferences Organized

1. Career Counselling by Dr Rashda Qazi Ghazi University DG Khan. 23-02-2025 at NSU
2. Business in Islam by Dr Safdar H Tahir, Associate Professor GCU Faisalabad 17-10-2025 at NSU
3. Basic concept in Finance, Prof Dr Zulfiqar Ali Shah, Dean IIUI, 08-11-2025 at NSU
4. Global Marketing Strategy by Prof Dr Zafar Uddin Ahmad, King Fahad University of Petroleum and Minerals KSA, Professor of International Marketing at NSU

#### **D. Seminars/workshops/conferences attended**

1. Keynote Speaker: 1st International conference on Sufism, the message of peace and Humanity, ICONS-2025 at Ghazi University DG Khan.
2. Session Chair: The international conference on Business and finance 2024, at the University of Economics Ho Chin Minh City (2025)
3. Speaker: 4th International conference on Economic Issues & Sustainable Development, The Women University Multan.
4. 1st Working Group Meeting on Investment/Financing Scenarios for All Fuels and Technologies under Carbon Neutrality on 30-31 May 2024
5. Web Conference on "Fostering entrepreneurial Activities and Startup Ecosystems in the OIC member Countries", SESRIC, Turkiye 22-23 August 2023
6. Web Conference on "Setting up a Supportive policy framework to promote youth and women Entrepreneurship", Resilience and Climate Action Department ISDB, & Training and Technical Cooperation Department SERIC, Turkiye, 9-10 JANUARY 2024.
7. Web Conference on "Developing Women and Girls Employability Skills for Facilitating Labour Market Entry in OIC-Africa Countries" SESRIC, Turkiye, 30-31 October 2024
8. Five Days Training on "Project Proposal Writing" by AHK National Center For Rural Development Islamabad, 05-09 August, 2024

# Department of Mechanical Engineering Technology

## A. Research Publications:

1. Gondal, I. A. (2025). Low-speed wind energy devices to facilitate nearly zero energy buildings in urban Pakistan, *Journal of proceedings of the institution of civil engineers-energy* 178(1), 16-33.
2. Gondal, I. A., (2024). Low-speed wind energy generation devices to facilitate NZEB in urban Pakistan. *Journal of proceedings of the institution of civil engineers-energy* 178(1), 16-33.
3. Ijaz, A., & Manzoor, S. (2024). Vortex induced vibration prediction through machine learning techniques. 14(11) *AIP Advances*, 14, 115025
4. Baig, T., Adil, A., Manzoor, S., Ebrahim, M., Tariq, H. A., & Ali, H. M. J. N. (2023). Thermal performance of dual flow slotted fin mini channel heat sink using Al<sub>2</sub>O<sub>3</sub>-H<sub>2</sub>O and TiO<sub>2</sub>-H<sub>2</sub>O: a numerical and experimental approach, *Nanotechnology*, 34, 425405
5. Yawar, A., Salehi, F., & Manzoor, S. J. P. o. F. (2023). Lock-on to quasi-periodic flow transformation for a rotationally oscillating cylinder due to gust impulse, *Physics of Fluids*, 35(7).
6. Ijaz, A., Manzoor, S., Ebrahim, M., Uddin, E., & Sheikh, N. A. (2023). VIV and forced convection response of a freely oscillating cylinder to a single impulse perturbation of varying intensity. *Ocean Engineering*, 280, 114515
7. Adil, A., Baig, T., Jamil, F. et al. Nanoparticle-based cutting fluids in drilling: a recent review. *The International Journal of Advanced Manufacturing Technology* 131, 2247-2264 (2024).
8. Baig, T., Adil, A., Manzoor, S., Ebrahim, M., Tariq, H. A., & Ali, H. M. J. N. (2023). Thermal performance of dual flow slotted fin mini channel heat sink using Al<sub>2</sub>O<sub>3</sub>-H<sub>2</sub>O and TiO<sub>2</sub>-H<sub>2</sub>O: a numerical and experimental approach, *Energies* 34(42), 425405
9. Adil, A., Baig, T., Jamil, F., Farhan, M., Shehryar, M., Ali, H. M., & Khushnood, S. (2024). Nanoparticle-based cutting fluids in drilling: a recent review. *The International Journal of Advanced Manufacturing Technology*, 131(5), 2247-2264.
10. Khan, S., Noor, T., Iqbal, N., & Yaqoob, L. (2024). Photocatalytic Dye Degradation from Textile Wastewater: A Review. *ACS Omega*, 9(20), 21751-21767.

11. Khan, S., Noor, T., Iqbal, N., & Pervaiz, E. (2023). Designing of Fe-ZIF67 derived Fe Co/NC with its reduced graphene oxide-based composites for hydrogen and oxygen evolution reaction., *Journal of Electroanalytical Chemistry*, 948, 117811.
12. Khan, S., Noor, T., Iqbal, N., Pervaiz, E., & Yaqoob, L. J. R. a. (2023). A zeolitic imidazolate framework (ZIF-67) and graphitic carbon nitride (gC<sub>3</sub>N<sub>4</sub>) composite based efficient electrocatalyst for overall water-splitting reaction, *RSC advances*, 13(36), 24973-24987
13. Khan, S., Noor, T., Iqbal, N., & Pervaiz, E. J. C. (2023). Recent Advancement in Metal-Organic Framework for Water Electrolysis: A Review, *ChemNanoMat* 8(7), e202200115

### **B. Seminars/Workshops/Conferences Organized:**

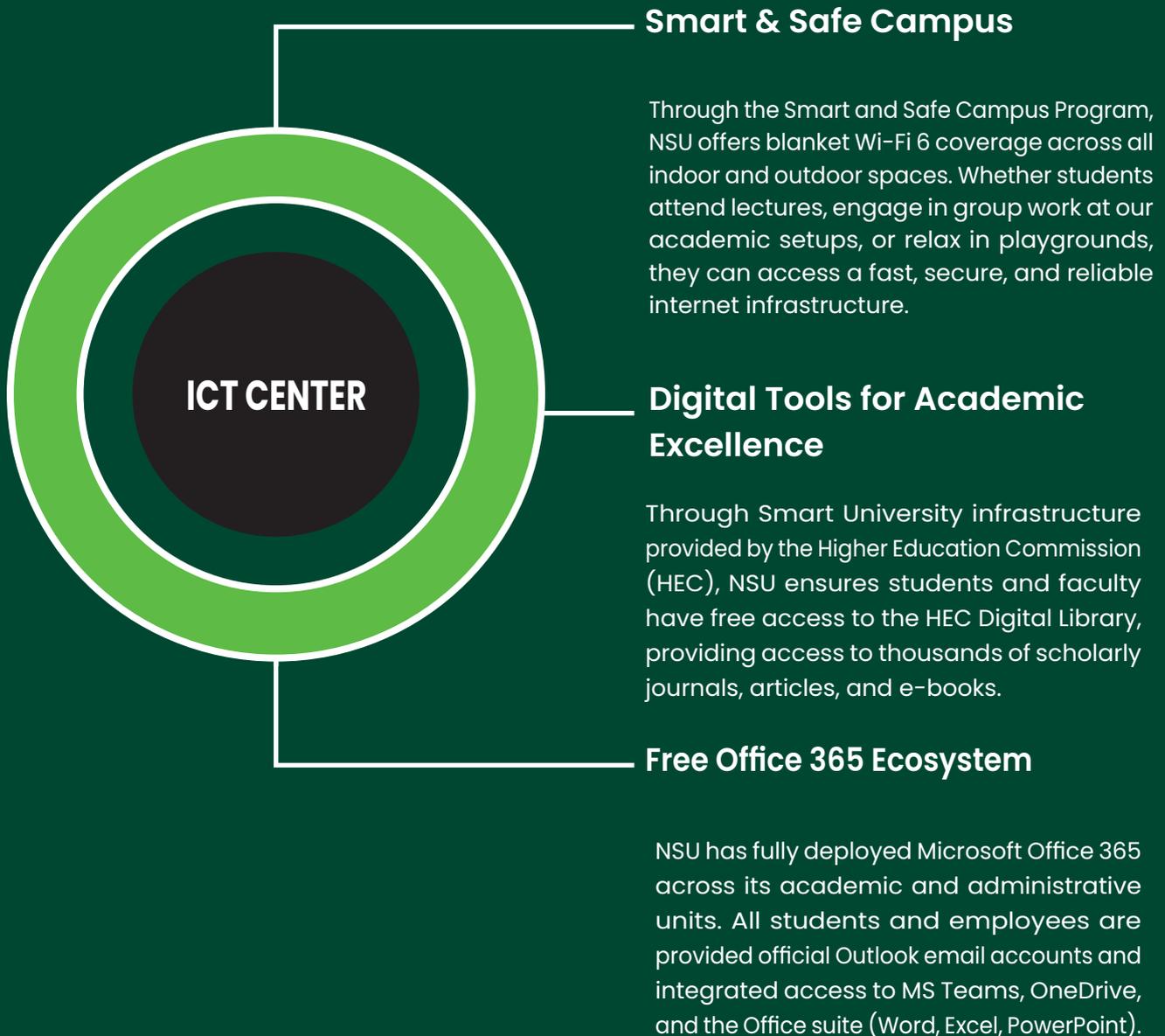
1. 33rd Symposium titled "Green Hydrogen in Pakistan", held on September 21, 2024 at Pakistan Academy of Engineering, Karachi.

### **C. Seminars/Workshops/Conferences Attended:**

1. EU project LNGnet funded Gas market design, structure and regulation. 23-25 May 2023, at The Capital 15 on Orange Hotel, Cape Town, Republic of South Africa.
2. GAS MARKET DESIGN, STRUCTURE AND REGULATION (East Asia) - Ho Chi Minh on the 12-14 December 2023.
3. Two-week training workshop on China New Energy Vehicle Technology, held from April 15 to April 28, 2024 in Beijing by ECO Science Foundation.
4. Reskilling the Public-sector Workforce for Enhanced Public Services, held in Jakarta from 17-20 September, 2024, by APO Japan.
5. Effect of Corner Modification on Fluid Flow and Heat Transfer Properties of Static Equilateral Triangular Prism at Various Reynolds Numbers, MTME-2023 GIKI.
6. Workshop on FTIR and Raman Spectroscopy at NUST 2024

# Academic Support

*At the National Skills University Islamabad (NSU), the Information and Communication Technologies (ICT) Center fosters a digitally advanced, secure, and globally connected academic ecosystem. Modeled after leading global institutions, our ICT Center offers a worldclass digital experience.*

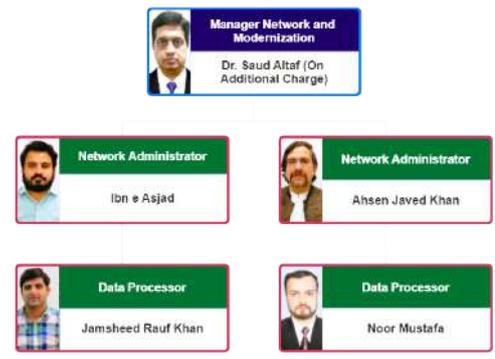


NSU's subscription to the Higher Education Network through Eduroam, a secure, global Wi-Fi roaming service, ensures that our students, faculty, and staff can use their university credentials to access the internet at participating institutions across Pakistan and internationally. This seamless global connectivity reinforces NSU's commitment to academic integration without borders, making you feel part of a larger educational community.

# ICT Center

The ICT Center at the National Skills University Islamabad, was developed entirely from scratch. It has become a driving force for digital transformation across the institution providing robust infrastructure, including high-speed internet, smart classrooms, and secure data systems, enabling seamless academic and administrative operations. The center supports digital learning through LMS integration, virtual labs, and access to global educational platforms while fostering innovation, digital entrepreneurship, and

research in emerging fields. It plays a vital role in capacity building, offering regular training in digital tools, and ensuring inclusivity by bridging the digital divide and empowering marginalized students.



## ICT Center Team Members



**Raja Saleem Abbas**  
Jan 2021 – Dec 2021



**Mehboob Ur Rehman**  
Jan 2020 – July 2020



**Mudassir A Haqqani**  
April 2022 – June 2023

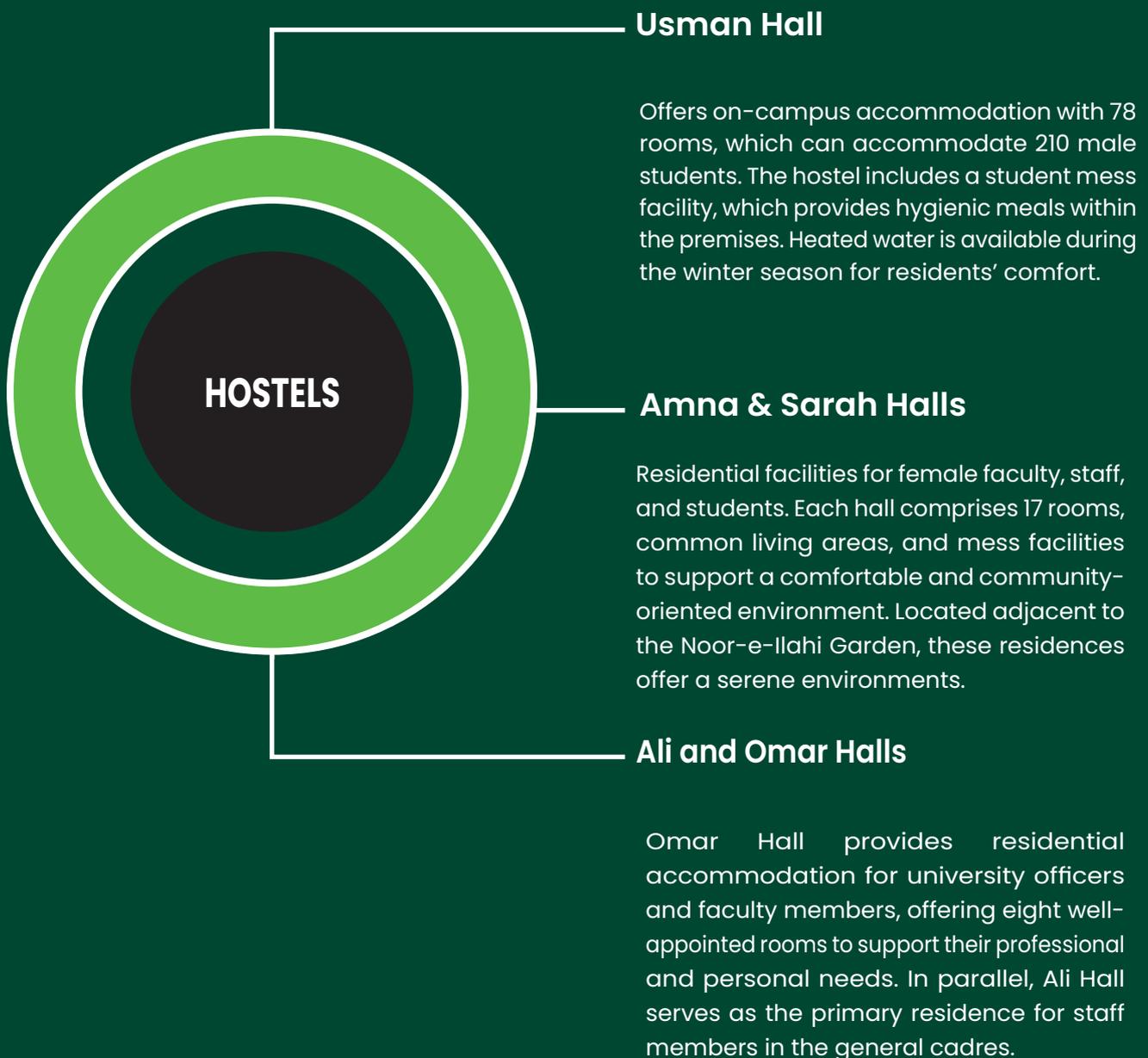


**Dr. Saud Altaf**  
Aug 2023 – Current

This progress has been made possible under the visionary leadership of the Founding Vice Chancellor, who championed a digital-first strategy aligned with national priorities. Through strategic foresight and determined execution, he has positioned NSU as a leading skills university ready to meet the demands of a digital future.

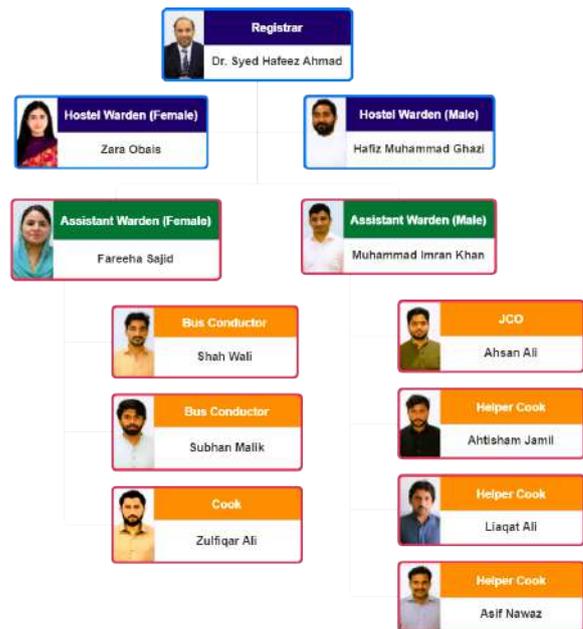
# Students/Employees Residential Facilities

*The National Skills University Islamabad provides well-maintained residential facilities for its students, faculty, officers, and staff. These facilities support academic accomplishments and personal development in a secure, safer environment.*



All residential halls are secured through digital surveillance systems and on-site security personnel, providing a safe and well-regulated residential experience. Living on campus fosters a supportive and inclusive campus environment through accessible, dignified, affordable housing for our students and employees.

The Registrar’s Office oversees hostel operations, closely coordinating with designated wardens. This collaborative model ensures the implementation of university policies, maintenance of discipline, and promotion of a respectful and safe residential atmosphere. By integrating residential life with the institution’s academic mission, the National Skills University Islamabad aims to cultivate a campus environment reflective of the best global practices.



**NSU Residential Facilities Governance**



**Inception of Sarah Hall by State Minister  
Ms. Wajiha Qamar**



**Inception of Amna Hall by Parliamentary  
Secretary Ms. Zaib Jaffar**



**Inauguration of Noor I Ilahi Garden by  
Ms. Gulmina Bilal**



**Tree Plantation by Students of the  
NSU**

# In Honored Memory and Grateful Recognition

The establishment of the National Skills University Islamabad stands as an impressive testament to vision, resilience, and collective dedication. From its humble beginnings as a developmental project to its current status as a nationally chartered institution of higher learning, this journey is a saga of triumph over immense challenges, a story of commitment, and a reflection to transformative leadership. It is a history we all share and a legacy we all contribute to.

We offer profound gratitude and heartfelt acknowledgment to those who served this institution in its formative years and are no longer with us in official capacities. Their steadfast dedication during times of uncertainty and their belief in the potential of this university when its future was yet to be defined laid the very foundation upon which our present success rests.

Through your selfless contributions, often made in the face of adversity the National Skills University Islamabad has emerged as a model of excellence in contemporary skills education and innovation. Your legacies echo in our classrooms, laboratories, and every milestone we achieve. You are not



**“They empowered a vision where skills shape futures and learning build nations.”**

“May those who helped raise the National Skills University Islamabad be blessed with enduring peace, prosperity, good health, honor, and the reward of every skillful hand their vision has empowered.”

just part of the university’s history, but also its present and future.

We also extend our sincere appreciation to the many well-wishers and anonymous supporters across Pakistan and worldwide whose encouragement, guidance, and quiet generosity have played a meaningful role in the evolution of the National Skills University Islamabad. Though their names and specific contributions may not be recorded here, their impact is deeply felt and genuinely valued. Their belief in this institution’s mission and their unwavering support during critical moments have helped shape its identity as a center of

excellence, innovation, and opportunity.

We honor your memory, respect your commitment, and carry forward your vision with humility and pride. Your contributions are not forgotten, but cherished and celebrated.

**Prof. Dr. Muhammad Mukhtar**  
**Founding Vice Chancellor**



**Ch Ajmal Randhawa**  
**(Late)**

Department of Electrical  
Engineering Technology



**Mr. Fazl E Ghani**

Mechanical Engineering  
Technology



**Prof. Dr. Shahid Khalil**

Mechanical Engineering  
Technology



**Prof. Dr. Afaq Husain**

Consultant Academics



**Prof. Dr. Taqadus Bashir**

Management Sciences



**Prof. Dr. Hashim N Hashmi**

Civil Engineering Technology



**Dr. Arslan Ahmed**

Electrical Engineering Tech



**Dr. Hussain Dawood**  
Information Engineering Tech



**Muhammad Ali Wallana**  
Registrar/ Director P & D



**Dr. Sarwat N Mirza**  
Registrar



**Dr. Muhammad Hanif**  
Registrar



**Prof. Dr. Asghar Hashmi**  
Controller of Examinations



**Ejaz Hussain**  
Treasurer/Consultant



**Rana Liaquat Ali**  
Auditor/Consultant



**Dr. Ijaz Ahmad**  
Medical Lab Technology



**Dr. Usama Khan**  
Mechanical Engineering Tech.



**Dr. Arslan Aziz**  
General Studies (Mathematics)



**Dr. Ghufuran Uddin**  
Medical Lab Technology



**Dr. M Naveed Ul Haq**  
Physics



**Dr. M Rashid Iqbal**  
Civil Engineering Tech



**Dr. Muhammad Aqeel**  
Mechanical Engineering Tech



**Dr. Madiha Khalid**  
Medical Lab Technology



**Dr. Muhammad Asif**  
Medical Lab Tech



**Engr. Dr. Awais Hussain**  
Civil Engineering Technology



**Engr. Maleeha Joohi**  
Civil Engineering Tech.



**Engr. M Moin Afzal**  
Electrical Engineering Tech



**Engr. Usman Salim**  
Mechanical Engineering Tech



**Ms. Aiman Chishti**  
Management Sciences



**Mr. Saad Irfan Khan**  
Information Engineering Tech



**Engr. Zain Shami**  
Mechanical Engineering Tech



**Raja Saleem Abbas**  
Manager Network and Moderinization



**M. Mudassir A Haqqani**  
Manager Network and Modernization



**Yasir Lodhi**  
Deputy Registrar



**Zia Ullah Khan**  
Deputy Director



**M Mehboob Ur Rehman**  
Assistant Director (Network)



**Mr. Umar Nawaz**  
Assistant Director



**Rana Shariq Ali**  
Assistant Director



**Sanaullah**  
Assistant Treasurer



**Muhammad Waqar Hussain**  
Assistant Engineer (Civil)



**Bilal Ahmad**  
Assistant Controller



**Ms. Sara Siraj**  
Assistant Director



**Syed M Zohaib**  
Assistant System/Network Manager



**M Modassar Sharif**  
Office Secretary



**Abdul Rehman J Kamangar**  
Senior Store Keeper



**Abdul Hameed**  
Security Supervisor



**Rashid Hussain**  
Office Assistant



**Atif Javed**  
Assistant



**Umair Hussain Shah**  
Office Assistant



**M Imran Qureshi**  
Office Assistant



**Faizan Ali**  
IT Technician



**Raja Haris S Abbasi**  
Horticulture Supervisor



**Eng. Salah Ud Din**  
Lab Technician



**Asad Ali**  
Junior Computer Operator



**Hamza Nazir**  
Junior Clerk



**Zulfiqar Ahmad**  
Junior Clerk



**Rana M Shamim (Late)**  
Dispatch Rider



**Usman Bashir**  
Driver



**Chan Zeb**  
Driver



**M Khalid Saifullah**  
Driver



**Mr. Badr Shabbir**  
Carpenter



**Musa Khan**  
Assistant Security Supervisor



**Abdul Ghaffar**  
Attendant



**Ameer Hamza**  
Attendant



**Maqsood Ahmad**  
Attendant



**Gul Zaid**  
Attendant



**Muhammad Arfan**  
Bus Conductor



**Naeem Mahmood**  
Sweeper



**Sharoon Masih**  
Sweeper

**Adnan Malik**  
Driver



**Sector H-8/1, Faiz Ahmad  
Faiz Road, Islamabad**

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