

THE NED EXPERIENCE

Centennial Volume 2021



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& Technology, Karachi

THE NED EXPERIENCE

**Centennial Volume
2021**

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NED University of Engineering and Technology



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Disclaimer

The contents in this magazine reflect the views expressed by the NED University Alumni. These contents are acquired through filling out the template developed by UAFA for the convenience of alumni to send their write-ups, informal interviews with the UAFA staff and volunteers, and texts sent through electronic and verbal means. The purpose of publishing these contents is to re-capture the observations of our esteemed alumni, their memories during campus life and careers thereon, and any other views they wish to express. The thoughts, stated facts, information, and experiences shared by the contributors are their own views which do not represent the official opinions of the university. The contents obtained and included in the publication are irrespective of any discrimination based on race, color, age, gender, marital status, or any other basis.

The messages, success stories, pictures and interviews of the alumni are published solely for "The NED Experience" after their formal consent. The university does not take responsibility in case the contents are misused by anyone for any intent.

Besides, some of the magazine's visual content is retrieved from different open-source digital archives including websites, social media, and professional networks, which are accessible and shared by alumni themselves or independent institutes that have quoted it.

On behalf of the university, the UAFA reserves the right to edit the contents for clarity of language, length of texts, and intent to avoid any remarks detrimental to any other individuals, groups, and/or institutions. The available source of information for the articles acquired and included is provided in the publication.





Acknowledgment

The magazine's editorial team is deeply indebted to the support and assistance received from several quarters. Thanks are due to the Vice-Chancellor, Dr. Sarosh Hashmat Lodi; Pro Vice-Chancellor, Dr. Muhammad Tufail; Dean Faculty of Civil & Petroleum Engineering, Dr. Asad Ur Rehman Khan; Dean Faculty of Architecture and Management Sciences, Dr. Noman Ahmed; Dean Faculty of Electrical and Computer Engineering Dr. Saad Ahmed Qazi; Dean Mechanical, and Manufacturing Engineering, Dr. Syed Amir Iqbal; Dean Chemical and Processing Engineering, Dr. Asif Ahmed Shaikh; Acting Registrar, Syed Ghazanfar Hussain; Director Finance, Mr. Sajeeruddin; Director Industrial Liaison, Dr. Amir Qureshi; Acting Librarian, Ms. Huma Sardar; and many other distinguished colleagues from the administration of the university for making this initiative possible.

We extend our profound gratitude to all the NED College and University alumni who earnestly responded to our requests for sending their contents for inclusion in this magazine. May we state that this volume contains contents from a small cross-section of our alumni, which extends to a very vast number. We intend to continue publishing sequels to this publication regularly in the times to come.

One of the purposes of publishing this magazine is to create a fund-raising vehicle for our various academic activities and seek support from private and public organizations. We look forward to benefitting from their generosity in the future as well.

We also take this opportunity to extend gratitude to our esteemed alumni who have celebrated centennial celebrations around the world and expressed their love for their alma mater. Our sincere hope and desire that the young folks, who are privileged to obtain admission to this university, shall benefit from the wealth of experiences shared by their peers. We expect many of them to become part of the assorted galaxy of prominent mentions, some of whom are included in this volume.



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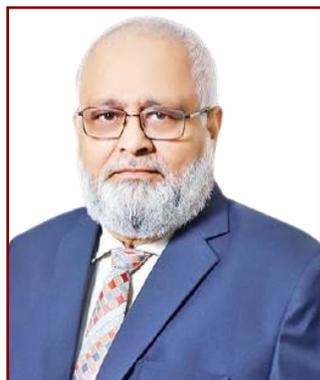


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Assistant Director, UAFA

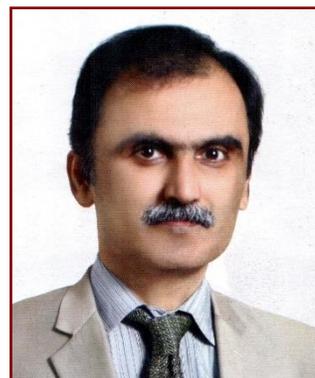


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Staff, UAFA

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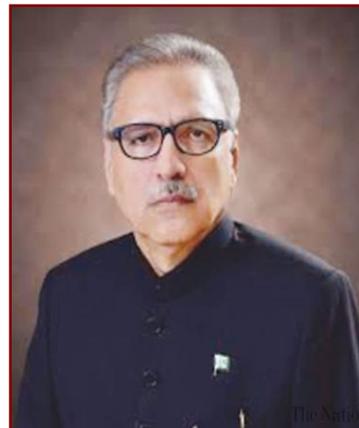
MESSAGES

Messages





Dr. Arif Alvi
President
Islamic Republic of Pakistan



MESSAGE

(On the Occasion of Centennial Celebrations of NED University of Engineering & Technology, Karachi)

I am pleased to extend my felicitations to the NED University community on the memorable occasion of their centennial celebrations. NED is one of the few institutions in Pakistan that has existed and delivered since the pre-partition times. It is heartening to learn that the professionals produced by NED continue to serve the country with distinction, excellence and a profound sense of service. As a long-time resident of Karachi, I have observed this contribution with a deep sense of appreciation.

Research is of paramount importance in engineering and allied disciplines. We need to equip ourselves with the latest technology and knowledge. The nations, which have timely acquired science and technological skills, have also made progress faster than others. It is essential to exploit our existing potential especially in the field of Engineering and IT to put the country on the fast track of development.

I hope that this meritorious institution shall continue to live up to the high standards of professional merit that it has set for itself.

The Governor Sindh

Mr. Imran Ismail



GOVERNOR

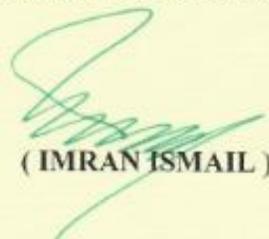
Sindh Governor House Karachi.
Telephone: 021-99201201-3



MESSAGE

I am very happy to learn that NED University of Engineering and Technology is celebrating its centennial this year. As Chancellor of the University, I have very closely observed the outstanding contribution made by the faculty, students and alumni of this institution. I understand that a sizable number of capable alumni are located across the world and contributing to the national exchequer in various ways. It is sincerely hoped that NED graduates shall continue to excel in their respective fields and specialization and help reform the society by way of professional support and innovation.

I extend my heartfelt felicitations to all the NEDians on this memorable occasion.



(IMRAN ISMAIL)

The Chief Minister of Sindh
Syed Murad Ali Shah**MURAD ALI SHAH****CHIEF MINISTER SINDH****M E S S A G E****SYED MURAD ALI SHAH,
CHIEF MINISTER, SINDH***********

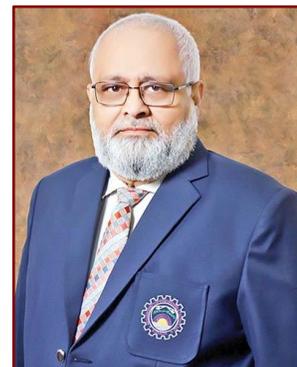
It gives me immense pleasure to extend my heartfelt commendations to NED University for completing a meritorious journey of hundred years. As I understand, very few institutions in Pakistan can claim such a long and continuous stretch of service. NED is one of the few institutions in Pakistan that has existed and delivered since the pre-partition times. It is heartening to learn that the professionals produced by NED continue to serve the country with distinction, excellence and a profound sense of service. As an alumnus of NED myself, I have observed this contribution with a deep sense of appreciation.

I hope that this meritorious institution shall continue to live up to the high standards of professional merit that it has set for itself. May I state that it is my dream to see NED flourish and become one of the top academic institutions of the globe. With its present stride, I am confident that it will become a reality, Inshaallah.



Vice-Chancellor

Dr. Sarosh Hashmat Lodi



I am pleased to express my gratitude to the extended NED fraternity for connecting with us for centennial celebrations. It is a matter of honour and great pride for me to be leading NED in the centennial year, for which I am thankful to Almighty Allah! NED University has been the backbone of engineering education in the country and has led to many ground breaking contributions to the nation in more than one ways. Many believe that measuring the impact that NED has left on the nation is the past century and beyond is bordering infinity!

It is been a century now, NED University has nurtured technical leaders and human resource not only in engineering but almost all spheres of life, who are working for the benefit of the society with integrity, devotion and wisdom and proving their worth by holding foremost positions in esteemed organizations around the globe. In addition, the knowledge generated, outputs produced and national challenges addressed by NED require many volumes to document.

NED is proud of its alumni by, who have been providing their utmost and never-ending support through continuous contribution. I for one, consider alumni as our treasured asset for their consistent presence and participation to the alma mater, nation and global economy. I always observe their ingenuity, unmatched loyalty and school spirit, good will and skills, a rare treasure which supports in our academic and professional endeavours. Through the pages of NED Experience booklet, I extend my profound gratitude to our esteemed alumni and wish them God speed in their initiatives. I hope that Allah willing, our alumni will join us in the celebrations this year.





From the Dinshaw Family

Ms. Nali Dinshaw

Granddaughter of Mr. Hoshang Dinshaw (Nadirshaw Eduljee Dinshaw)

It gives me enormous pleasure to congratulate the NED University of Engineering and Technology, formerly the NED Government Engineering College, on the occasion of its centenary. It is a source of great happiness to my family and me that it carries my great grandfather's name. My great grandfather, Nadirshaw Eduljee Dinshaw, and my grandfather and his brothers after him would have been very proud to see what the NED University has become. One of the foremost institutions in the country for Engineering and Technology, thanks to the skill and expertise of the people who have led the university from its earliest days and continue to do so today.



It has grown, developed, and adapted from its earliest beginnings and is now as contained in your Mission Statement. It provides the opportunity for thousands of people each year to "acquire education and research excellence in engineering and allied disciplines," which can only benefit the country.

My family and I send you our warmest congratulations on the centenary of the NED University - all of you can be so proud of what it has achieved and is achieving today. Together with our prayers, hopes, and wishes that the NED University will continue to be a center of excellence in education in the country over the next hundred years and beyond.





*Glimpses From Karachi:
History and Heritage*



*Far as the eye could reach no tree was seen,
Earth clad in russet scorned the lively green
No birds except as birds of passage flew,
No bee was heard to hum, no dove to coo,
No streams as amber smooth, as amber clear,
Were seen to glide, or heard to warble here,
(Colonel Young)*

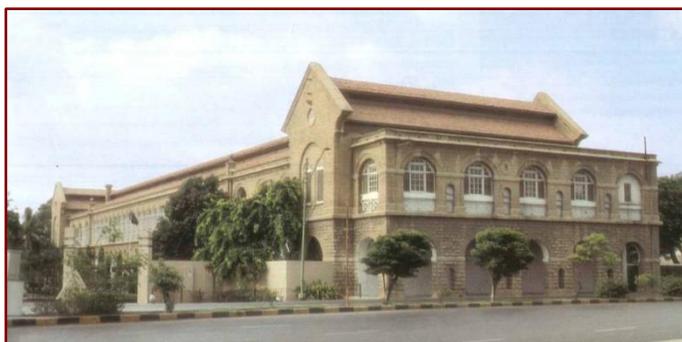
Before Karachi was known to be the pearl of the East, it emerged as a small settlement perched on the edge of the Arabian Sea. Glorified, with the rule of Muslim dynasties' of Soomra, Samma, Arghun, Tarkhan, Talpur, and Kalhoras, acquired several names as Karashi, Kalachi and later reputed as 'Kolachi,'. Baloch tribes of Makran gave the name, later, flourished as 'Kolachi-jo-Goth' a village of merely 14,000 populations. Under Talpurs' rule, when Sindh started trading with Muscat and the Persian Gulf in the late 18th Century, Karachi gained its importance. The small town was fortified for its protection, having two main gates; one facing the sea, known as Khara Dar (Brackish Gate), and the other facing Lyari River was named Meetha Dar (Sweet gate). Chaukhandi tombs in the East of Karachi are prominent for their elaborate stone carvings as the Talpurs' Dynasty legacy. During Talpurs' reign, Karachi was developed as Port of Sindh. This attraction added to the British Imperial's wish to rule Karachi.



Chaukhandi Tombs by Talpurs

After the acquisition of Sindh by the British in 1843, Karachi was established as the administrative capital of the province. This was the beginning of the trends that developed Karachi with distinctive architectural characters of the British Colonial regime. The pre-colonial native towns comprised simply built structures of heavy wooden logs with interlaced wooden strips to adhere to mud plaster. Thatch and mud were used for roofs to remain cool. The prevailing urban character and building aesthetics were not up to the British sense of style.

Charles Napier, the conqueror of Sindh, was the first Governor-General of the province who gave extensive plans for the growth of the City of Karachi. Prior attention was given to harbor. Cantonment was established with a rigid geometric grid pattern, irrespective of overall organic growth in built structures which eventually transformed the town of Karachi as a military settlement. However, the existing barracks were unpleasing for the British officials. Charles Napier ambitiously commenced construction of barracks for his troops which disappointed him as simple structures due to lack of funding from the government.

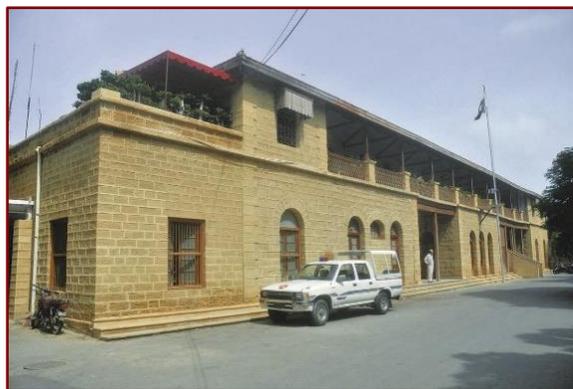


Napier Barracks on Shahrah e Faisal

Richard Burton in the late 1840s described these simple structures as 'large, roomy barracks, oblong, single-storied buildings, dressed in mathematical precision to the front and flanked by equally precise roads. However, later in the 1870s, the Napier Barracks built in stone masonry (nowadays on Shahrah e Faisal) were aesthetically pleasing in all, which are still graceful. Fortunately,

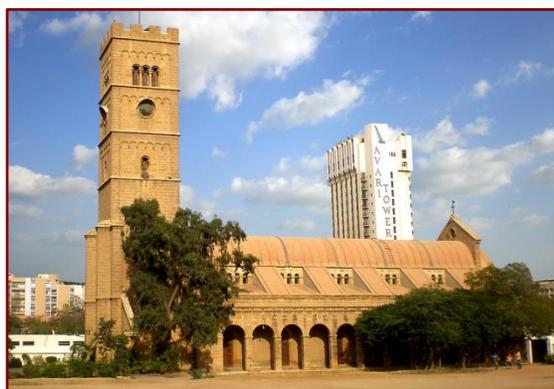
Karachi had ample reservoirs of Gizri stone, which is of buff color, a porous stone of sedimentary rocks in geological origin. This stone is both rough, as well as the hammer-dressed state was used abundantly for the construction of gorgeous edifices designed by British officials.

The 'Bangla' style built-in stone was also introduced in the early days of occupation. The plan was simple, with a square or rectangular shape having deep verandahs surrounding rooms for shade and sloping roofs, preferably of thatch. The oldest example is now Commissioner's office (built as Collector's Kutchery in 1855) that had undergone extensive alterations inside, but the basic concept can still be noticed.



Commissioner's Office

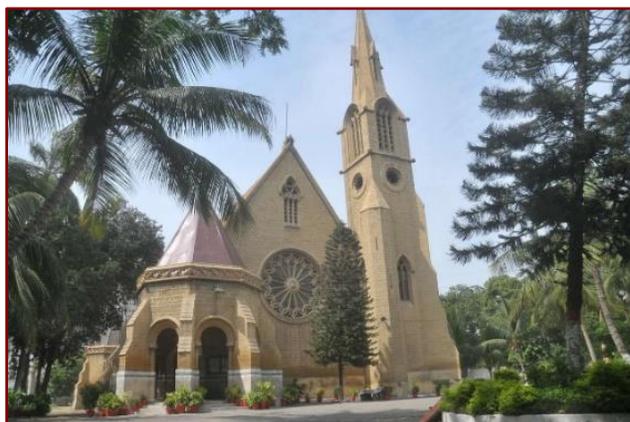
Apart from influencing local building styles, the rulers were assertive to adhere to Christian symbolism to express colonial zeal and power. Church towers and spires proliferated to dominate the skylines of enslaved land of Karachi. Trinity church was built in 1855 (located in Civil Lines



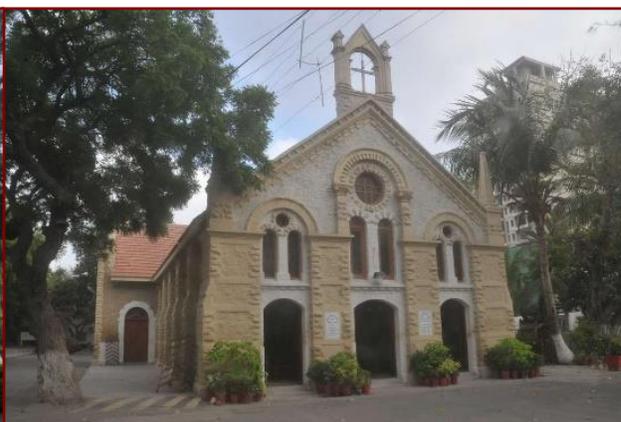
Trinity Church

Quarters now), designed by Captain John Hill of the Bombay Engineers, served as a landmark for vessels approaching the harbor. The construction cost was Rs.53,554. The church was a simple building with a tall tower 150 feet high, later found suitable as a light tower. It was the most powerful light tower in the world at that time as its light was visible up to eighteen miles in clear weather. Bartle Frere, young 'commissioner-in-Sindh, laid the church's foundation stone.' Frere also proposed several engineering schemes along with the development of the harbor.

A couple of years later, St. Andrew's Church (also known as Scotch Church) (1867-68), located in Preedy Quarters, was constructed at Rs.56,300. It is the tallest church tower in Karachi. Romanesque and Venetian Gothic styles inspired the design of the church. A finely carved rose window, eighteen feet in diameter, is the most attractive feature of this church. Buttresses and a tall spire further enhance the aesthetics of this church. The Methodist Church executed in 1875 was also



St. Andrew Church



Methodist Church

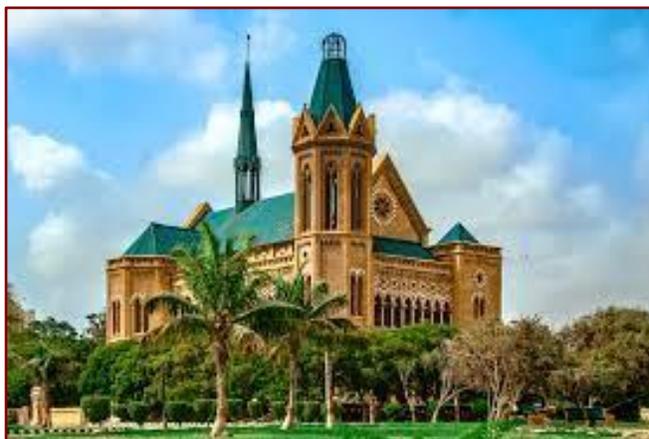
inspired by the Romanesque style. It was a simple yet unique design at that time. St. Patrick's Church is yet another but last of the great churches of Karachi that was built in 1881. The total expenditure on the chapel was Rs.5,930. This church is also substantial for being the largest in Karachi, accommodating 1500 worshipers at a time.



St. Patrick Church

An impressive landmark building constructed in the presidency of Bartle Frere was Frere Hall, located in Civil Lines Quarter. It was completed in 1865 as the first Indo-Gothic building, designed and constructed to commemorate the services of the dynamic commissioner of Sindh Bartle Frere. The design of Frere Hall was selected out of 12 entries received after a call for designs was spurred. The winning design was submitted by Henry St. Clair Wilkins of the Royal Bombay Engineers. It was purposely civic use building functioning as reading hall and exhibition space. Its construction cost was Rs.18,000.

This was when local artisans had been capable enough to employ fine carving details and decorations in stonework, together with the high intellects of builders of the colonial period. James Strachan, an influential engineer, and proficient building designer, in the 1880s, revived the Gothic style of architecture in the city of Karachi. Empress Market in Saddar town is among more significant buildings, completed in 1889. The building employs a simple plan with four galleries, each 46 feet wide, are surrounding a courtyard of size 130 feet by 100 feet. The entire structure is a single-story except for the tall central clock tower that is 140 feet high. The market was one of seven markets of Karachi, purposely designed for British elites to shop.



Frere Hall



Empress Market

Merewether Tower, yet another elegant structure, a never forgotten landmark, commemoration of Medieval ages, was designed by James Strachan. The intricate detailing, fine carving, and rich ornamentation of this memorial are expressions of heightened sensitivity of designers and highly skilled artisans of the time. It was named after Merewether, who was 'Commissioner-in-Sinde' from 1868 to 1877. This 102 feet high memorial took eight years to complete and cost Rs.37,178.

Another significant Gothic-style building, designed by Strachan, built-in 1886, is Denso Hall, located in Market Quarters. Due to scarcity of funds, this building was designed to be simple yet elegant. The building was built in memory of Max Denso, who Baillie described in 1890 as a “well-known resident, [who] had a kindly



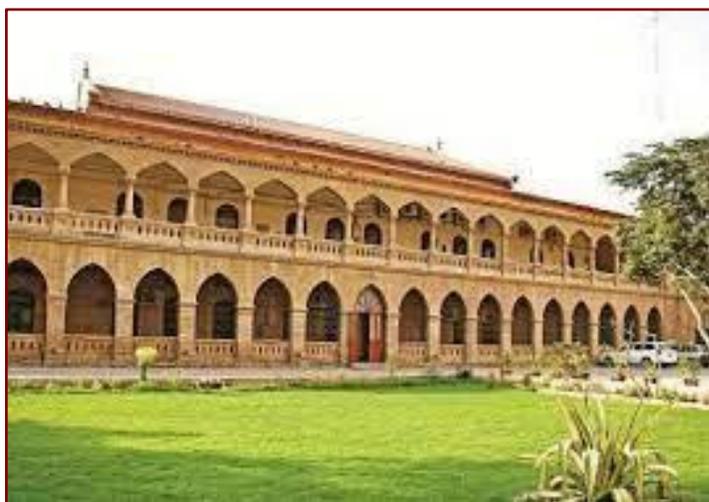
Merewether



Denso Hall Saddar

regard to the improvement of the mind of his fellow citizens.” Decorated with Tudor, ogive arches and extended balconies with carved balusters, the edifice meant to serve the public having public hall, reading room, and library in the area close to the ‘Old Town.’

James Strachan was a designer and engineer of institutional buildings too. Sindh Madrassah, founded in 1885 as the high school for Muslim boys, and DJ Sindh College, founded in 1887. Viceroy Dufferin laid the foundation stones of both institutions in 1887. The architectural style of Sindh Madrassah was Indo Gothic; however, the architectural expression was devised by Strachan for DJ Sindh College, designed with an elegant dome and arcaded façade, was termed 'Italian Gothic.'



Sindh Madrassah

The college was named after 'Dayaram Jethmal' whose two family members generously contributed Rs.25,000 to construct this college. Sindh Madrassah was completed in 1889 with a total cost of Rs.197,188. While D.J. Sindh college was completed in 1893, costing Rs.186, 514. The most famous student of Sindh Madrassah was the founder of Pakistan, Muhammad Ali Jinnah.

Lady Dufferin Hospital was built in 1898 at the cost of Rs.105,000. It was named after Lady Dufferin, who was keen on women's health and held Darbar

outside the Governor's house. The designer followed the renaissance style for building design. Edulji Dinshaw's family also contributed to this building. Edulji Dinshaw was a Parsi philanthropist who generously donated to buildings of great significance. Amongst notable is NED University of Engineering and Technology, to Nadirshaw Edulji Dinshaw, who generously contributed to this institution which started in 1922 as 'Prince of Wales Engineering College.'

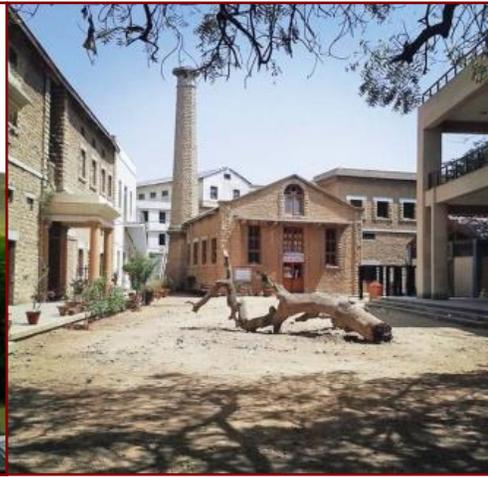
Several remarkable buildings of the earlier 20th century were designed in Anglo Mughal style. The most imposing building Karachi Port Trust and Custom House (1916), Victoria Museum (Now Supreme Court, 1916), Hindu Gymkhana (1925), Mohatta Palace (the late 1920s), and Karachi Municipal Office Building (1931) are notable mentions. Years later, the sophisticated and simple style of significant buildings of Government House (1939-41) and Sindh Assembly

Buildings (1942) had an aura of majesty and grandness. The colonial rule was no more after Independence in 1947, but its signature still lingers. Several architectural styles were adopted in the urge to find new directions. However, we need to look after our heritage as a responsible nation and maintain Karachi as a vibrant city.

*You will be the glory of the East;
would that I could come again to see you Karachi, in your grandeur*
(A Quote of Charles Napier)



Lady Dufferin Hospital



NED City Campus



Victoria Museum



Hindu Gymkhana



Karachi Port Trust and Custom House



Mohatta Palace



*The Dinshaws of
Karachi*



Services for Karachi

Suppose you have seen the sign of Hoshang Road as you turn left coming down on Clifton Bridge in Karachi and wondered who it's named after. In that case, research will take you to the family of visionary and philanthropist Hoshang Nadirshaw Dinshaw, who, in 1924, and his siblings donated Rs 150,000 for the proposed construction of a new building and laboratory then Prince of Wales Engineering College in Karachi. The timely largesse was wholeheartedly welcomed by the trustees of the college, who gratefully renamed it the NED University of Engineering and Technology in memory of their illustrious father, Nadirshaw Eduljee Dinshaw.



The then Viceroy of India Lord Dufferin along with His Wife Hariot Georgina Rowan-Hamilton

Nadirshaw and his father, Eduljee Dinshaw, the founding father of the Dinshaws, started building hospitals, dispensaries, and educational institutions in Karachi from around the 1880s. Eduljee Dinshaw set up 12 hospitals, dispensaries, maternity homes, and residential welfare facilities. Still operating today, under the care of the Parsi community, is the renowned Lady Dufferin Hospital in the Kharadhar area of Karachi. In 1885, the wife of the then Viceroy of India (1884-1888), Hariot Georgina Rowan-Hamilton, announced the Countess of Dufferin Fund for medical services to women in various parts of India. The British Government asked the province of Sindh for donations and raised Rs 10,000. The Dufferin Committee, on its part, raised a sum of Rs 5,000. The project was embarrassingly short of funds, and Sindh would have been deprived but for the generosity of Eduljee Dinshaw, who stepped up with Rs 100,000 and insisted that the hospital be named the Lady Dufferin Maternity Hospital. Eduljee Dinshaw supervised the project's construction and, by putting up additional funds, helped procure the hospital's first consignment of medical supplies and furniture. To date, the descendants of the Dinshaw family continue their



The Lady Dufferin Hospital in Karachi Founded in 1894, Source: <https://www.ladydufferinhospital.org/brief-history>



The Historical View of Mama Parsi School After its Completion

charitable contribution to the board of the Lady Dufferin Hospital, giving relief to thousands of the not-so-well-off women patients.

Throughout history, the Dinshaws have focused on health and education, especially women. In addition to NED Engineering College, the family donated generously to The Mama Parsi Girls' High School in Karachi. Even today, girls placed in Dinshaw House wear the green badge with pride on Sports Day. In addition,

several missionary schools benefitted from their philosophy of continuous philanthropy, regardless of caste and creed.

Hoshang Road, the busy, bustling road connecting Abdullah Haroon Road and Dr. Ziauddin Ahmed Road just after Clifton Bridge, is a long-lasting tribute to the visionary who continued the philanthropic works so ably started by his father and grandfather. Mr. Hoshang Nadirshaw Dinshaw, the eldest son who decided to donate generously to NED Engineering College in his father's name, was a renowned resident of Karachi. During his illustrious life after Pakistan came into existence in 1947, he was a pillar of strength to the Pakistan government, as director at critical institutions, donating buildings that belonged to the Dinshaw family to the government to house major institutions and caring for the sick and the elderly by setting up hospitals and infirmaries. Throughout his life of service, he was on the board of the following institutions:

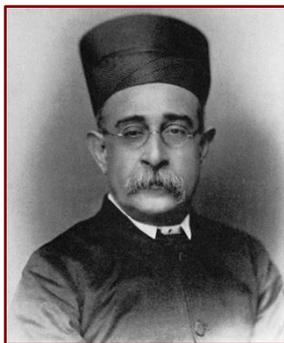
- Chairman of Pakistan's Public Investment Council, and of the Reorganization Council.
- President of the Central Board of Directors of the National Bank of Pakistan.
- Vice President of the Federation of the Chamber of Commerce in Karachi.
- Founder member of the Old Buyers' and Shippers Chamber of Commerce and of the Pakistan Industrial Finance Corporation (later the Industrial Development Bank of Pakistan)
- Director of the Karachi Electrical Supply Company.

The descendants of the Dinshaws continue to keep alive the philanthropic charities set up in the name of their forefathers. Hospitals, schools, low-cost residential buildings, regular donations from the charity trusts to major school and hospital networks across Pakistan, and care for the sick and the elderly are hallmarks of a family that has had a significant contribution to the development of Pakistan.



Hoshang N. E. Dinshaw

Dinshaw Family in Pictures



Edulji Dinshaw



Nadirshaw E. Dinshaw



Khorshed Dinshaw



*Framroze Eddie
Dinshaw*



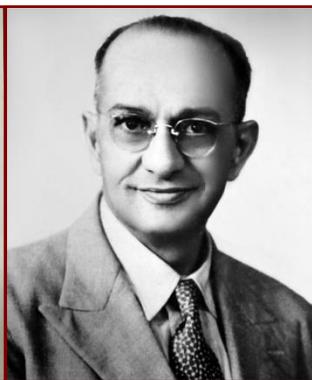
*Nalibai Dinshaw
(Spencer)*



Hoshang N. E. Dinshaw



*Minocher Nadirshaw
Dinshaw*



*Faredoon Nadirshaw
Eduljee Dinshaw*



*Naju Bai Fareedon NE
Dinshaw*



Julian H. Dinshaw



Perin Dinshaw



Nadir H. Dinshaw



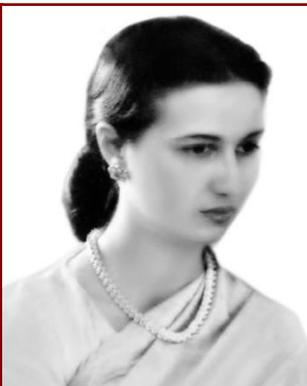
Hilla Dinshaw



*Eddie Minocher
Dinshaw*



*Russie Minocher
Dinshaw*



*Nancy Ardeshir Cowasjee
(Nee Dinshaw)*



Ardeshir Cowasjee



Nali Dinshaw



Ava Ardeshir Cowasjee



*Rustom Ardeshir
Cowasjee & his Daughter
Avery*

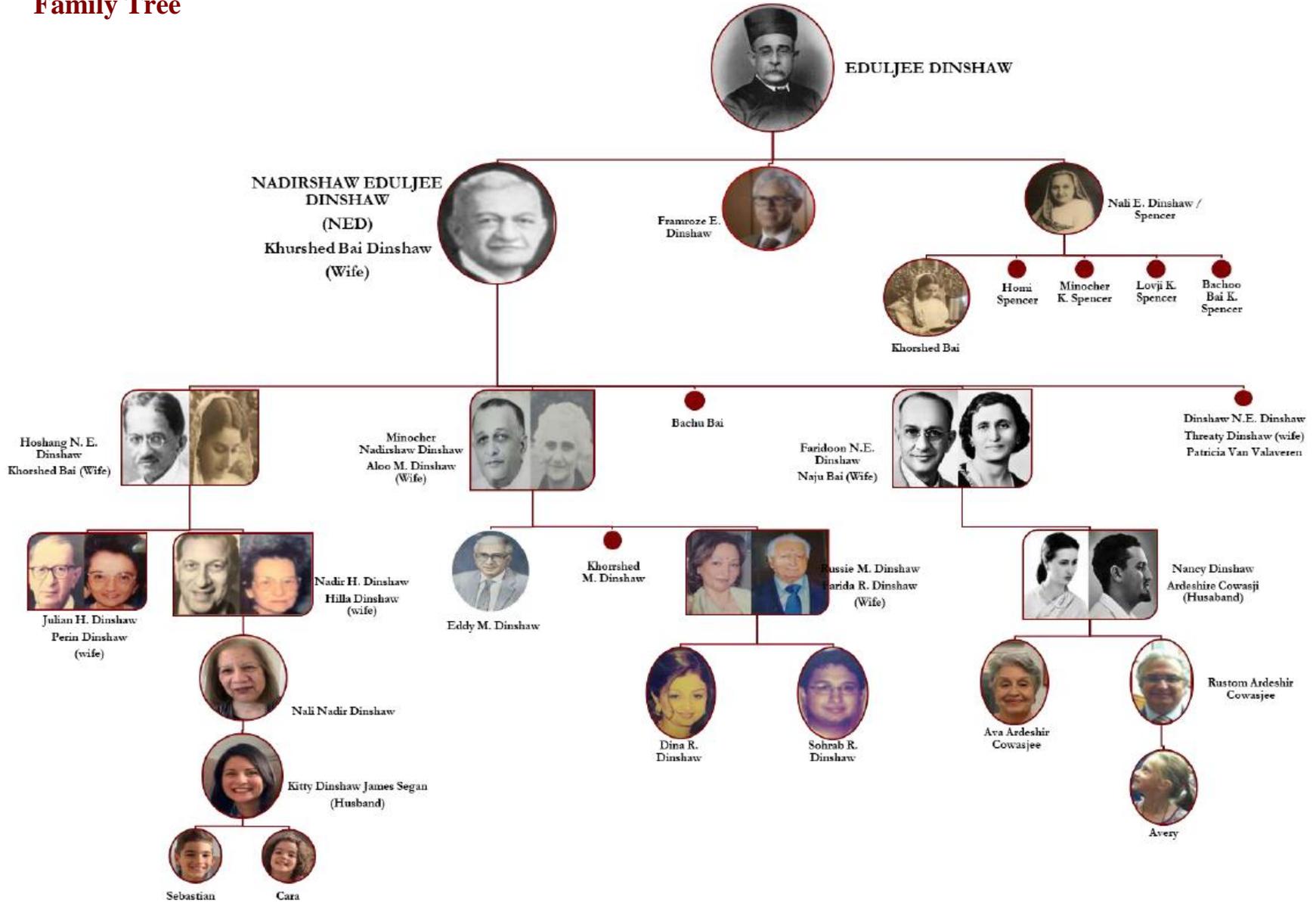


*Kitty Dinshaw along with her son, &
daughter; Sebastian, & Cara*



THE DINSHAW OF KARACHI

Family Tree





*NED University through
the Century*



A Brief History

Several documents can be found with a brief history of the college. Most of these begin in 1920 or 1921 and do not say much about the three decades of struggle that preceded the 1922 founding of the NED Civil Engineering college. We dug and came across some interesting facts about the college's history, which is entirely intertwined with that of the DJ Sindh Government Science College.



DJ Science College in Early 1900s

Back in the late 19th century, Sindh was the developing province. But there were a lot of public works and infrastructure projects that were underway. The railway link construction that would eventually connect Karachi and Hyderabad to Upper Sindh was underway, along with several roads and other projects. To fulfill the need for the overseers for these projects, an "Engineering Branch" affiliated with the University of Bombay had been established in Hyderabad around 1930's. The classes covered fundamentals of constructions and civil engineering and did not lead to any diploma.



Dr. Mullineux R. Walmsley

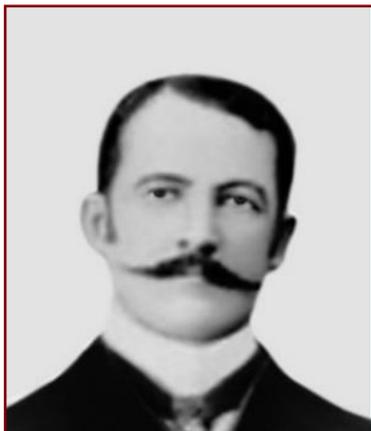
As DJ College got started, the need for technical education was felt very keenly. The first Principal of the DJ College, Dr. Mullineux R. Walmsley, arrived in 1887 from England, assuming that technical education was a significant part of the college curriculum. He was very much disappointed with what he discovered and wrote to the college committee:

"...that Mr. Kirkham certainly led me to believe, in London, that the position of the Technical Education in Sindh was much more forward than appears to be the case. I cannot, therefore, help to feel very much disappointed at finding it in the very embryonic state..."

Dr. Walmsley stayed for about a year and returned to England, where he headed Northampton Polytechnic for the rest of his life. The second Principal, Dr. Moses John Jackson, assumed command in early 1888. He was also enamored with Technical Education, and for the next 19 years, he tirelessly nurtured the science and technology programs. Shortly after he assumed command of the college, the Hyderabad Engineering Branch was transferred to DJ College, then known as Sindh Arts College. It was located in its original building on Bunder Road and not where it is now. The new facilities for DJ College were to be completed in the following five years and provided improved facilities, as described by a former student later:

"The upper portion of the southern wing ... was taken up by the principal's office room, the Professors' common room, the library, and the laboratories. On the ground floor of the wing was

the engineering school, the college then being at Poona only. From this school, students who passed out were taken up as Over-seers in the Public Works Department. We used to see them sawing wood and doing other work there."

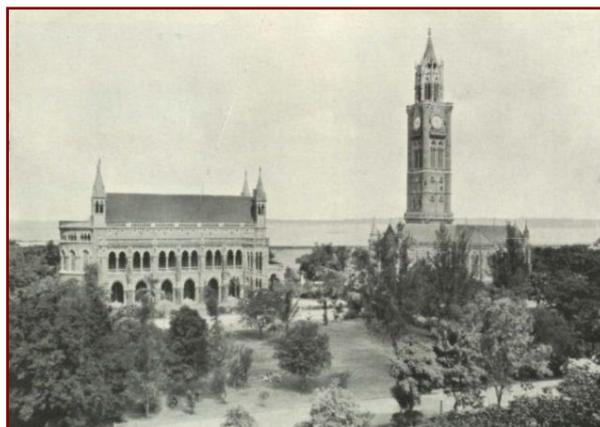


Dr. Moses John Jackson

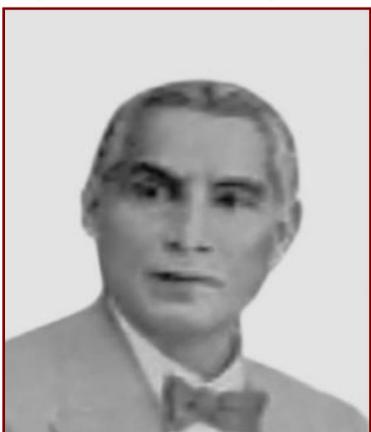
With the Hyderabad Engineering Branch transferred to DJ College, Dr. Jackson and his staff worked very hard to develop the Engineering program and establish high standards. However, he was a disciplinarian and was very strict about the standard of education at the college. Another former student, who studied engineering, wrote this:

"I was an Engineering student of the DJ Sindh College in the years 1900 to 1903. Our principal during this period was Dr. Jackson. No doubt, he was a 'man' amongst men. 'My Engineers' he used to call us. We had several classes jointly with the F.A. and the Inter class students of the Arts Course and he would not begin the classes until his 'Engineers' came in. Yet, he was very strict with

us... When I joined the Engineering Course in the year 1900, we were in all 21 students... We dwindled down to ten by the time we sat for our Preliminary. Two of us were not certified, and of the eight who were allowed to sit for the Annual. Two were plucked and six were asked to re-appear for a special test, in subjects in which we had obtained two or three marks less or more than the number required. And after all that, only one of us was promoted and all the rest were declared to have failed."



The improvement and expansion of the engineering programme was Dr. Jackson's pet project. He had set his sights on getting the Engineering Section converted to a diploma programme, if not a degree course. The college was affiliated with the University of Bombay. He dedicated years of effort to get the needed sanctions from the University of Bombay. There was a long trail of circulars and correspondence between Dr. Jackson's staff and the university about the changing requirements and targets set by the university. One of the documents we found noted:



S.C. Shahani

"It is amusing to find Dr. Jackson failing to get his pet students of Engineering, a Diploma, a piece of paper with permission to attach a few letters after one's name, when a course of teaching that was recognized to be strenuous and thorough, had been completed... amusing to my mind to read circulars containing commentaries on the importance of certain pieces of apparatus for the laboratory before sanction could be received for their purchase, and notes on such unimportant matters as the starting of a Debating Society."

Dr. Jackson's struggle to get his students a diploma continued. There was a feeling that the staff at the University of Bombay did not fully understand the needs of the students in Sindh. As early as

1890's, he had written/stated:

"...the college should, therefore, endeavor largely to shake itself from the shackles of the University of Bombay, and in these matters follow a line of its own... it is not certain that what is thought best for Bombay is necessarily also best for Sindhi students."

Dr. Jackson's tenure ended in 1907. He had been the principal for nearly 20 years. He failed to get the conversion of the engineering programme to a diploma/degree course, but he had laid a sturdy foundation for a demanding engineering programme with very high standards. Eleven years and 3 principals after his departure came S. C. Shahani. This was an era of the post-war boom, optimism, and a lot of activity and principal Shahani's efforts were to bear a reality for Dr. Jackson's dream.

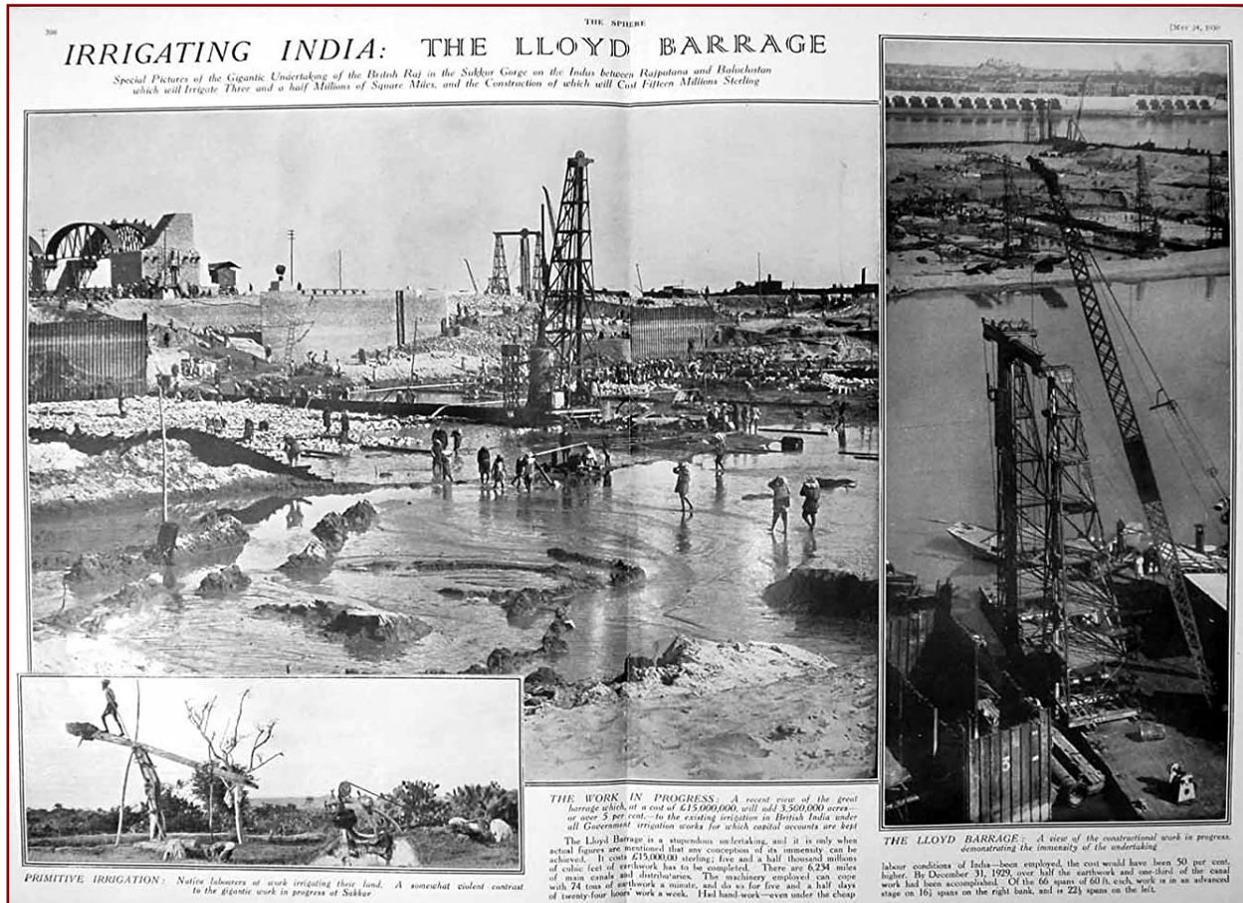
After S. C. Shahani became the DJ College principal in 1918, he renewed the efforts to get the engineering branch upgraded to a degree college. He ran into the same issues in acceptance from the University of Bombay as Dr. Jackson had two decades earlier. In frustration, affiliation with a different university was considered. His struggle would continue for over a decade but finally was successful. The following text of an excerpt from a 1937 document summarizes his efforts and achievement:

"Principal Shahani's greatest achievement was undoubtedly the establishment in 1921 of the Engineering College, now called the Nadirshaw Edulji Dinshaw Civil Engineering College. The Sukkur Barrage construction was on, and engineers had the chance of their life. Principal Shahani conceived the bright idea of having a degree college instead of a struggling engineering branch, and he rapidly put the plan into execution with the assistance of Prof. M. H. Advani, Professor of Engineering, and Vice-Principal (Prof. Butani) who was proposed for the principalship. The university did not accept this arrangement and laid down other conditions which seemed incapable of fulfillment. Principal Shahani waged an epic fight to get his engineering college recognized, and came near to losing it; there was a time when he, in despair, thought of applying for affiliation to the Benares Hindu University. Then Mr. Jamshed came to the rescue. The late Mr. Jamshed Nusserwanjee, who was the first elected mayor of Karachi, commonly known as 'the maker of modern Karachi' and a well-known social worker, through his good offices the magnificent donation of Rs.150,000 was obtained from Mr. Hoshang Dinshaw, which joined to



Under Construction Work at Sukkur Barrage

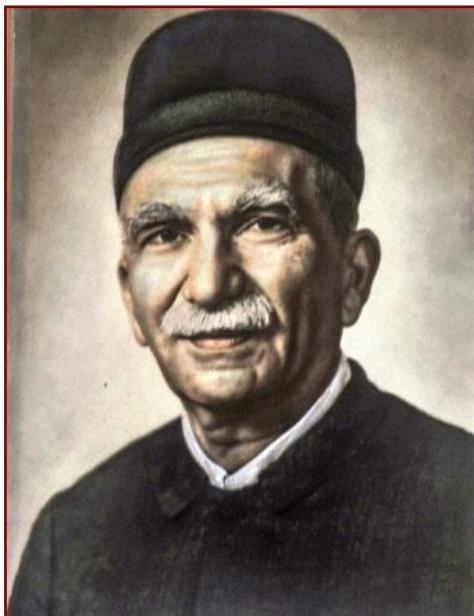
the Rs.40,000 donation of Vishindas Brothers, the Prince of Wales Welcome Fund (Rs.50,000), and other benefactions, placed the NED College on a firm footing. Rai Sahib Bhupatrai, retired Executive Engineer North Western Railway, worked as honorary principal for some time. Mr. G. N. Gokhale, an Executive Engineer in the Public Works Department, was ultimately appointed principal, and a first-class Engineer with British qualification was also appointed (Mr. S. B. Junnarkar). Prof. M. H. Advani



of the old Engineering Branch was already there, and some more appointments were made. Buildings and workshops grew as if by magic. The new college shared with the parent college office expenses and expenses on college societies and activities, until it was able to set up a “houses” of its own – when the entire establishment of the engineering college became separate, only the Governing Board being same for the two colleges.”

The following four paragraphs summarize the post-1921 NED University’s history well and are taken from the NED University of Engineering and Technology website:

“The new college was initially been the Prince of Wales Engineering College but later renamed in memory of Nadirshaw Edulji Dinshaw. The NED College was provisionally granted affiliation on 23-05-1923 by the University of Bombay for the first and second-year courses in Civil Engineering, and 78 students were provisionally admitted into first-year classes in 1922. Permanent affiliation followed in February 1927.”



Jamshed Nusserwanjee

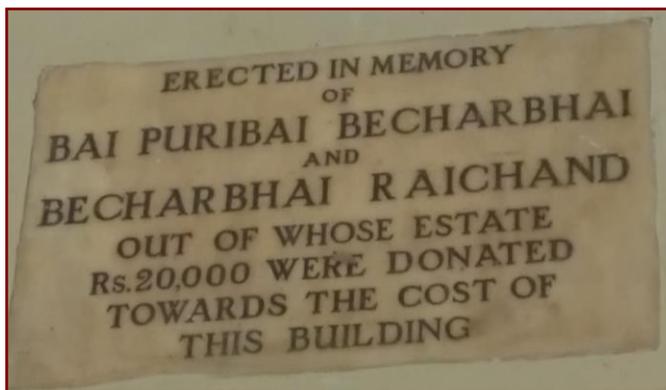
The first-full-time principal of NED Engineering College was Mr. G. N. Gokhale, who joined on 1st July 1923. Before this, Rai Sahib Bhupatrai had acted as Honorary Principal. The first professor (and Vice-Principal) was Mr. S.B. Jannarkar. Along with Mr. Gokhale, they did all the spadework in organizing and equipping the various departments and ordering the equipment for the Power House, Boiler Room, Hydraulics Laboratory, Engine Room, and Machine Shops.

The original NED Engineering College was housed in four blocks of buildings and two sheds. The main block was named Seth Fatehchand Dewandas Khilnani Hall. The block housing the Power House, Electrical and Hydraulics Laboratories, and workshops were named after Bai Puribai and Bacharbai. Further additions were made to this block to provide accommodation for the

Machine Shop on the ground floor and a (Mechanical) Drawing Hall on the first floor. The fourth block, completed in 1945, contained a Classroom and Clerk's Office on the ground floor and another (Civil) Drawing Hall on the first floor.

For the Main Drawing Hall, later donors were the Hindustan Construction Company who built in 1944 a complete block costing Rs. 40,000/- and which houses two classrooms and the Staff Common Room.

Two sheds were also built to house the Carpentry and Smithy Shops, and the other, alongside the Electrical Laboratory and Engine Room, to train technicians. Although, the total cost of the buildings was just over Rs. 265,000, the equipment cost (including machinery, electrical instruments, models, steam, gas, and oil engines; surveying and leveling instruments), books, and furniture was just under Rs. 400,000. The college remained affiliated with the University of Bombay from 1922 to 1947.



Buried in the pages of the history, there is one more interesting tidbit. Principal S. C. Shahani had a grander vision. It was his dream - 'day dream' as he called it - to raise the stature of the institution to that of a university located on a new site that offered a much bigger space for new facilities and expansion. The DJ College, the NED College, and the hostel were located in a prime area of the city. The bulk of the proposed university's funds came from selling the sites for the two existing colleges and the hostel. The sale was to realize an estimated 30 to 40 lakhs of rupees. Principal Shahani and the staff worked hard on the scheme, developed the details, prepared

the plans, and sanctioned it by the Board and the Government. All was set to put the plans in motion for building the new university in the Gizri area on the outskirts of Karachi. But it was not to be. The post-war boom declined, and the values of the properties fell rapidly, forcing a cancellation of the plans. Both colleges and the hostel remained where they were.

We owe a debt of gratitude to the great teachers, leaders, and donors who made the NED College a reality. These heroes were British, Hindu, and Parsi visionaries. It is sad to note that Muslims' contributions, financial or otherwise, were little to none. In going through the DJ College records, it is apparent that the 1947 partition brought about a mass exodus of non-Muslim staff, pushing the junior level faculty to be promoted to higher positions. It can be assumed that the exodus similarly impacted the faculty at NED.



The two colleges shared facilities, other resources, and the Board for quite a while. The following picture, taken in 1936, shows the combined staff of both colleges during a visit by the Vice-Chancellor of the University of Bombay. At the time, the principal of NED College was S. B. Junnarkar, who is in the picture along with Mrs. Junnarkar, his wife. The other recognizable name listed is Prof. A. L. Shaikh, who later became the principal of the DJ College, and still later, beginning in 1961, became the first principal for Adamjee Science College, Karachi.



In 1936 the college was still NED Civil Engineering College. But efforts were underway to add the Mechanical and Electrical disciplines to the curriculum. Those efforts were eventually successful. Though the exact years are unknown, Mechanical and, Electrical Engineering degree programmes were added before the 1947 partition, and the college became NED Government Engineering College.

After the creation of Pakistan, the college was taken over by the then Government of Sind, and the title of

the college became NED Government Engineering College, Karachi, as from 17th October 1947.

The first principal of the college, Mr. G. N. Gokhale, gave up a lucrative and promising position in the P.W.D. to take up the onerous task of building the College from scratch. He designed the Crest of the college and framed its motto:

“Stand Erect, Look Straight and Act”

The College came under the control of the Government of West Pakistan on 14th October, 1955. The Government of West Pakistan transferred the administration of the College to an autonomous Board of Governors appointed by the Governor General from 1st July, 1962 to 16th April, 1966.

The Firsts of NED Government College

- The first graduate of the college was Jarnnadas Takhtram Asnani, March 1925
- Mr. Amrita Lal Das, was the first to earn the University of Bombay Berkeley Medal
- The first graduate of the college who earned a post-graduate degree from abroad was Mr. Jaganath Pharbhdas Parekh, Ph.D (Edinburgh), 1927
- In 1927, Mr. Amrita Lal Das was the first to qualify for the Indian Services of Engineers
- In 1947, Mr. Abdul Wahab Shaikh was the first to qualify for Sindh Services of Engineers



Mr. V. N. Chandavarkar Vice Chancellor University of Bombay, Principal NED College S. B. Junnarkar along with Staff of D.J. Sindh College and NED Engineering College 1936

- Mr. Fatehchand Parsrarn Lakhani was the first who to qualify for Bombay Services of Engineers.
- In 1948, Mr. Taj Muhammad Shaikh was the first who receive a medal from the University of Sindh
- In 1968, Ms. Asfia Aleem was the first lady graduate of the college.

Affiliations of NED Government College in Different Periods

The University of Bombay, from inception to 1947

The University of Sind from 1947 to 1951

The University of Karachi from 1951 to 1976

NED As Seen by Alumni and Employees

The directorate of the UAFA has arranged to interview different senior alumni and ex-employees of the university to capture the university life in respective times. The opinions presented in the view are the views of the alumni and ex-employees, which are presented.

Mr. Zain ul Abedin

I got admission to NED Government Engineering College on 15th September 1947. I am thrilled to know that you NEDian are doing these types of gatherings to know about the atmosphere of the then college at that time. There were only 8 Sindhi Muslim students at that time, and I was the only migrated student. Then gradually, other migrated students from Aligarh Engineering College sought admission at the then college.



All professors and principals were Hindus who used to deliver the quality education. Besides, all eight local students were intelligent and intellectual who secured top positions in final examinations.

AT Khan was my class fellow during higher secondary education at Maharaj College Jaipur. Then he went to Aligarh Engineering College and earned his bachelor's degree in Civil Engineering. After that, he joined the NED college as a lecturer. At that time, the duration of the degree was 3.5 years. For the first two years, students were taught Electrical Engineering and Mechanical Engineering, and then Civil Engineering for the rest of the 1.5 years.

The then Vice-Principal R.E Mirza of the college used to support financially and morally to the migrated students as they had migrated in miserable condition. Besides, Quaid-e-Azam has extended financial support of Rs. 1000 to the migrated students who secured admission in NED college on the condition that they would try their best to return it in the future, if possible, for them. That support created convenience for the students, and students got interest in studying wholeheartedly.

Note: Mr. Zain ul Abedin started his first job in Karachi Municipal Corporation in 1951 as Water Supply Engineer and then upgraded as Construction Engineer. At that time, people had dire need of water, for which he supported them a lot.

In 1959, he joined KDA and then WAPDA as an Executive Engineer. He was appointed at Rawal Dam as In-charge, and its construction is my proud accomplishment. His name is still embossed on marble stone at Rawal Dam. Then he got a job offer from a USA-based firm in the USA, where he served there for 08 years. Then the same firm deputed me to Srilanka and South Korea. Throughout his career, his core competency was Dams. He wrote a letter to the Prime Minister of Pakistan, Mr. Imran Khan, and offered his service free of cost for the construction of small dams.

The alumnus has shared the above views on the eve of the Centennial celebration organized by the alumni association of North America, NEDIAN-NA, which is available on YouTube.

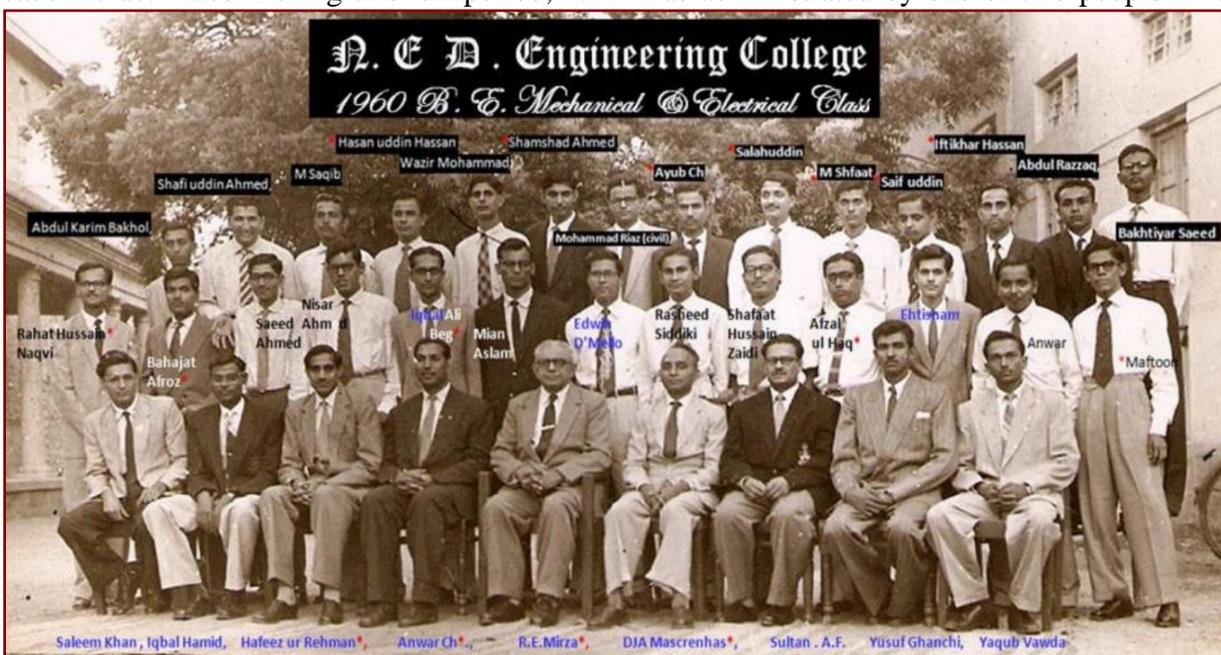
Mr. Razzak Loya

I had witnessed the partition of 1947 and was under utter trauma after having seen the horrors of it. I dwelled in Pakistan and was about 9 years old then. Till 1958-1959 Pakistan kept facing a constant influx of Muslim migrants, though there was severe lack of basic facilities. They lived in parks, gardens, footpaths, and other open municipal areas of Karachi in very miserable conditions. I remember, near Regent’s Plaza Hotel, there were abandoned military shades, which they used as temporary government offices as there was no proper architects to create places to run the New Government. It was a pathetic situation in the new country’s Capital in 50s and 60s.



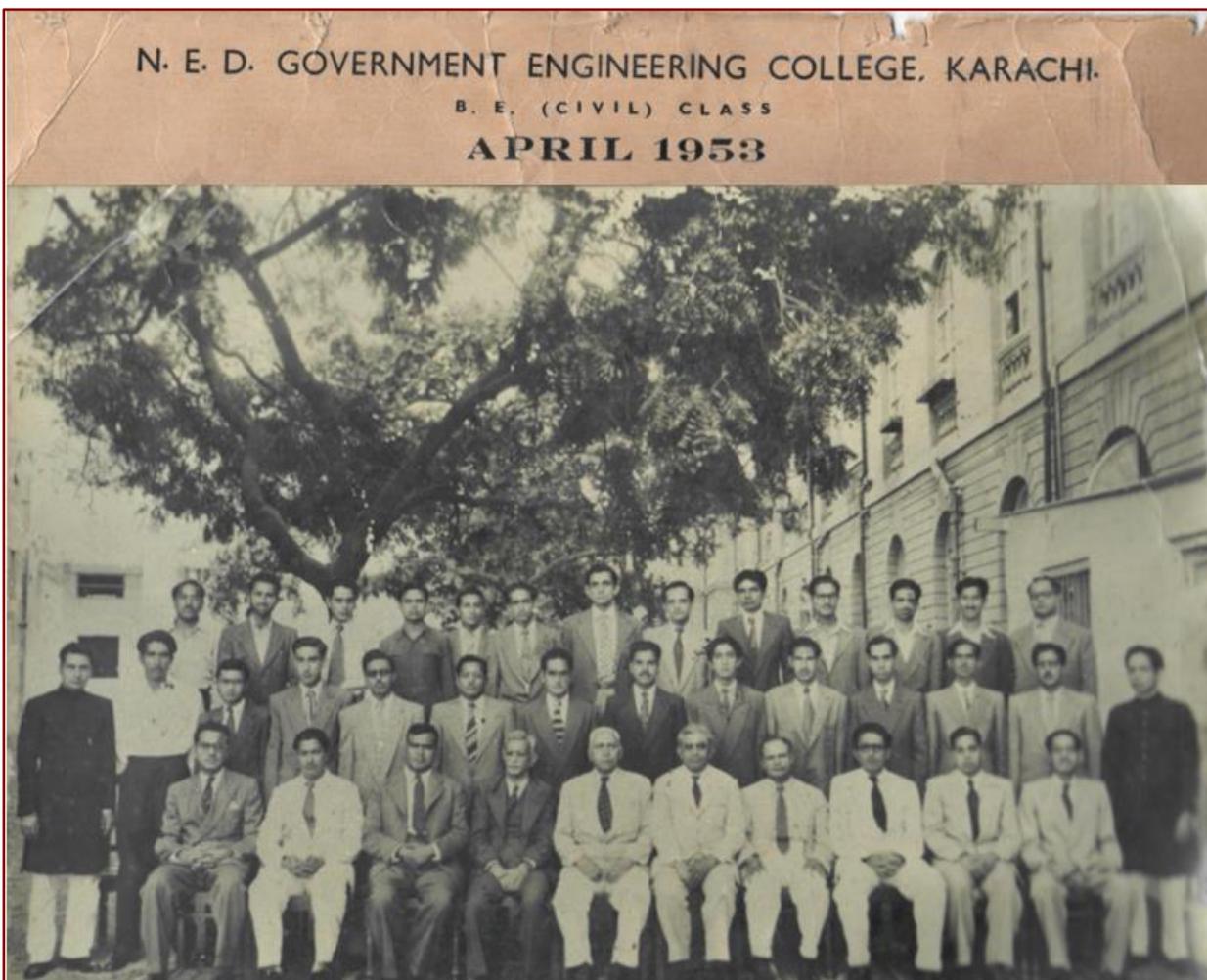
Mr. Jinnah presented an open offer for the Muslims who were working in different offices and Professions in India to migrate to Pakistan. For this purpose, he even managed to get a chartered planes to get the willing to come to Pakistan. Due to this, another wave of migrants came, consisting mostly of merchants, traders, Teachers and Professionals They gradually began running almost dormant Country. At that time, there was only one cement factory, the Dalmia Cement Karachi, and one textile mill in Faisalabad (Lyallpur). Moreover, there were no major modern cities in Punjab except Lahore, and only two engineering colleges in Pakistan; NED College in Karachi and UET in Lahore. As for the medical colleges, they were also two in the country. Dow Medical College, Karachi and King Edward Medical College, Lahore.

I enrolled in 1958 at NED College of Engineering (at that time in Burns Road Area of Karachi) and completed my graduation in in Civil Engineering in, January 1962. The most shocking news that dawned on me was that most of Hindu teachers had immediately left for India due to which almost all the education institutions, including NED College, had to be nearly closed. Then in 1949, many Muslim teachers migrated from India and Schools and Colleges resumed their academic activities. During this lull period, NED was administrated by one or two people who



stayed behind, one of them was Prof. Kewal Ramani, who was the Principal of NED College and a few Parsi Professors like Prof. R. E. Mirza. (who later became Principal). Some Muslims Professors who were already living in Karachi, like Prof. Ganatra, and others who migrated from India and Punjab, took over the control of NED College.

During my time at NED, I regretfully noticed a few unpleasant bullies amongst the teaching staff. One who stood out, used to teach us Engineering Drawing in the first year. His motto was to pass only 8% of the total students, just to satisfy some kind of mental sadisms, that too with passing marks only. The rest were condemned to second (Supplementary) exam in that Subject. He was a burly person walking with swagger He was more interested in politicizing in International Boxing Association. He would arrive at 5:00 o'clock in the evening for Classes, the end of the college day



Sitting (L. to R.) Prof. Shaikh Manzoor, Prof. M. Ibrahim, Prof. S.W. Haider, Prof. M. B. Pithawala, Prof. M. K. Kewalramani (Principal), Prof. R. E. Mirza (Vice Principal), Prof. F. D. Abro, Mr. S. A. Ganatra, Mr. S. M. Shoaib, Mr. A. T. Khan

Standing 1st Row (L. to R.) Mr. Masood Ali Zidi, Shaikh A. Hafiz, Mahmud-ul-Hasan Khan, A. Karim, Ghulam Husain Baloch, Syed Mohammed Quaseem, Abdul Ghaffar, Maqsood Khan, Syed Inayat Ali, Iqbal Ahmed Sahib, Imtiaz-ul-Haq Ansari, Abdul Bari Syed, Khushi Muhammad, Shafiq-ul-Haq Siddiqui.

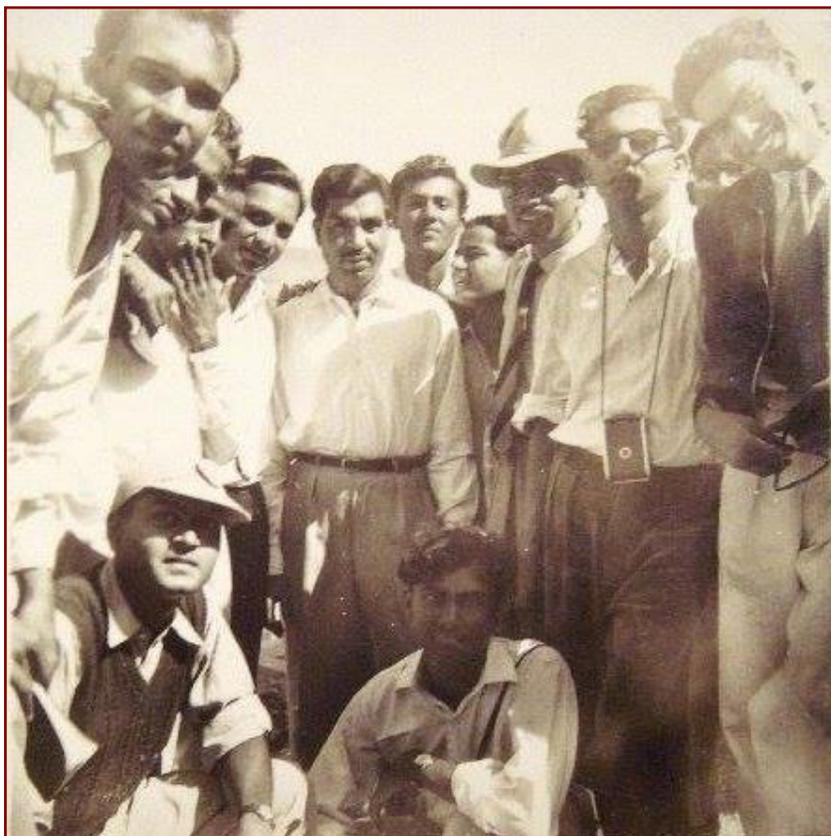
2nd Row (L. to R.) A. Hakim Memon, Muhammad Yakoob Solangi, Nasir Ahmed Alavi, S. Irtiza Husain Rizvi, K. M. Hussain, Noor Muhammed D. Sheikh, Naseem Ahmad, Syed Ali Bin Hamid, Muhammed Abdul Barkat, Muhammed Ahmed Mumtaz, Arz Muhammed M. Talpur, Qamar Din Sahto, Muneer Ahmed Malick.

for students, more inclined to terrorize first-year students than teaching. Till the end of my time at NED, his harassing attitude remained the same.

During my stay, students from diverse cultures, languages ethnicities, and religions were enrolled in the college. The Student Union was deeply engaged in constructive politics and the environment was peaceful, calm, and tolerant. There were no questions raised on the basis of any particular background. There were neither any female students nor any international students. However, when I was in my final year, few female students were admitted to the College, in 1963. I graduated in 1962 and lost most of my contact with NED College.

There were also no Ph.D teachers till 1964. Most of the teachers were alumni of UET Lahore, Aligarh University, and Bombay University.

The establishment of Bangladesh led to an upheaval in Pakistan that also adversely affected NED University and resulted in the initiation of politics among University Students. NED became a scary rally ground of violent students of different Political Parties.



NED Tour Group 1959 at Mohen jo Dero Accompanied with Prof. Haider

The execution of Mr. Z. A. Bhutto resulted in a huge tsunami of ferocity in education institutions and in the lives of students. They became more and more belligerent, which affected their academic progress. As years passed more. weapons and politics made inroads in the University. I had observed severe violence at NED University in the 80's as I lived very close to the University. Besides that, my daughter, who was a student at NED during 1990's, mostly stayed home due to violence. During the era of General (Late) Zia, I came to know that one of the students was shot dead in Karachi University by gang of student of other Parties. Owing to increased violence, Student unions were banned.

Sometimes later, it came to my knowledge that Dr. A.T. Khan had been appointed the Vice-Chancellor. He had earned his Ph.D. degree at Leeds University. Though he was a good teacher, of pleasant demeanor, he severely lacked administrative skills to bring back discipline to this reputable Institution. His era also saw the Discipline among Teaching staff cracking up. Quite a few Seniors of the teachers attended to teaching with casual attitude only. And turned more interested in personal consulting business at home or even opening their Offices. Some teachers took long leaves and began working abroad renewing their leaves at intervals. Hence the teaching descended to a pitiable state in NED University. Discipline among the students was put on leash

and control, and the university prospered again in the era of Vice Chancellor Engr. Abul Kalam a strict administrator. By that time a number of NED Alumna had started returning, after completing their Ph.D.'s abroad.

After my graduation, I earned my Post Graduate Diploma- from the Imperial College, University of London, and Master's Degree from Leeds University. Then I worked for five years in the UK. Afterward, I rendered my services as a structural engineer in various consulting firms in USA for 11 years and returned back to Pakistan, and have been running my consulting engineering Partnership firm for the last 39 years. I have extended the opportunity to several graduates of NED University to render their services in my organization as I feel it my ethical and social responsibility to accommodate my alma mater graduates and see them rising up in their Profession, I have supervised and trained many as Interns and helped them excel in their careers.

DUTY SOCIETY 1969 - 70 N. E. D. GOVT. ENGINEERING COLLEGE KARACHI



From L - R (Sitting) (1) Salahuddin Mohammad Sheik C. R. E. (Civil) (2) Malik Zafar Javaid C. R. E. (Elect) (3) Prof. Azizul-Hasan Khan (Hon. Secretary) (4) Prof. Hameed Ahmad Khan Principal (Patron)
 (5) Mr. Fahoem Ahsan (Lecturer) (6) Suresh Ramalinghani C. R. T. E. (Civil) (7) Anjad Hassan C. R. D. E. (Mech)

From L-R Standing (1) Salman Ahmad Qureshi C. R. F. E. (Civil) (2) Tanveer Yaseen C. R. S. E. (Elect) (3) Munser Jamal C. R. S. E. (Mech) (4) Usad Usmani C. R. E. (Civil) (5) Abdul Sultan C. R. S. E. (Civil)

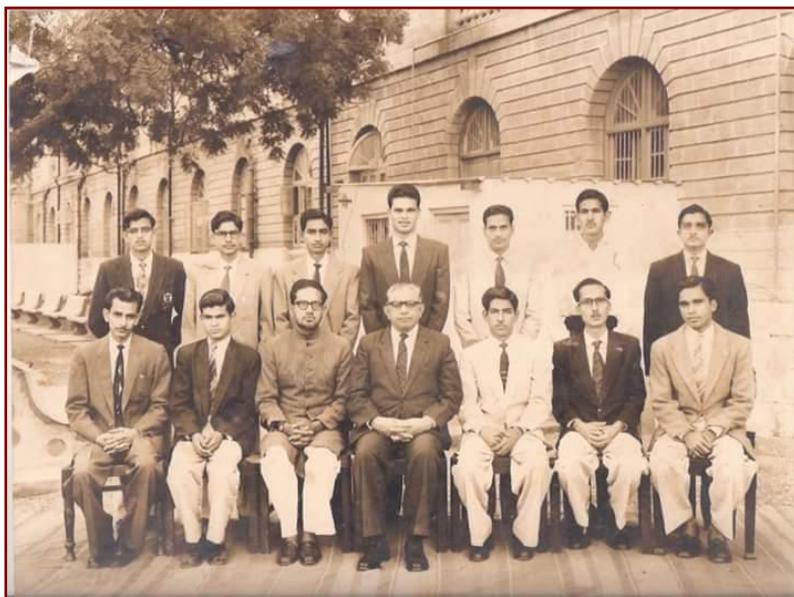
Mr. Khalid Pervez

I got admission to NED Government Engineering College in the Department of Electrical Engineering in 1967 and graduated in 1971. At that time, there were 133 students in the batch, and there were only three disciplines of Civil, Electrical, and Mechanical. Interestingly, there were only five seats for girls, which sometimes were not filled, and the balance was transferred to the boys. The College, affiliated with the University of Karachi, was then housed in buildings called Old Campus, adjacent to the DJ Science College. The College had a hallmark chimney which's still standing and dates to the times when a steam Power Plant used to operate from the premises later given to NED on Plant's closure. Due to the lack of space, some of our classes were also held at the DJ Science College under some mutual collaboration.



I will be failing in my duty if I don't mention the contributions and hard work of the respected teachers. Of special mention is late Prof. Salahuddin Ahmed, who was extremely thorough in his knowledge of electrical machines and electronics at the same time; Prof. Muhammad Khan Minhas, an excellent teacher from many perspectives, Prof. Maroof A Quidwai, who would teach mathematics in a highly commendable and logical style and, Prof. Ghulam Hussain enriched us with basic electrical systems, transmission, distribution, etc.

As expected, NED then had quite a few laboratories, a small library but a very effective 'Lending Library', which had a good stock of textbooks that were loaned, indeed free of cost, to the students for an academic year. Additionally, NED had an official linkage with the British Council, which gave books to NEDians free of cost for an academic session. The British Council Library was close to NED at the Pakistan Chowk. We were also fortunate in getting membership of the American Library without any hiccup. The library was then located at Britto Road, in Garden East Area, close to Jamaat Khana.



Principal Rustum E. Mirza with Students group, 1963

I started teaching at the then NED Govt. Engineering College from June 1972 as a visiting faculty member until Nov. 1974 when I joined NED as a regular faculty member. Construction of the present Campus had already started from the late sixties. In August 1975, gradual shifting from the now old Campus [or City Campus] to the present campus was initiated.

Once moved to the present Campus, NED was declared an additional campus of the University of Karachi, and Mr. A.M. Akhoond was appointed as its Pro-Vice-Chancellor. NED was then upgraded to the university in 1977 through an Act of the Government of Sindh and Mr. A. M. Akhoond was appointed as its first Vice-Chancellor.

Development, both physical and institutional, continued for many years – new class rooms, lecture theatres, laboratories, offices, library, students’ canteen, Teaching Staff Centre, auditorium, masjid, hostels, staff residences, etc. were constructed and many faculty members, including myself, were sent abroad for MS and Ph.D. degrees. The first mini-computer, IBM System 34 was installed in 1978 and was in the domain of the Department of Electrical Engineering. Late Prof. DJ Mascarehas was then the Head of Department.

In 1976 I married my colleague, Tahira Pervez who was Lecturer in Mathematics. As Associate Professor, she took early retirement in 2008. I too was Associate Professor when I decided to quit NED University in July 1987 and went for a full-time engineering consultancy.

While at NED University, I was elected as Member Senate and Member Syndicate, and served as Member Board of Studies, Provost, and General Secretary of the NED Teachers’ Association [NETA], apart from being Member of the Library Committee. However, regrettably, no meeting of Senate or Syndicate was held for almost three years till my leaving the university.



A Group Photo of A.T Khan along with Students

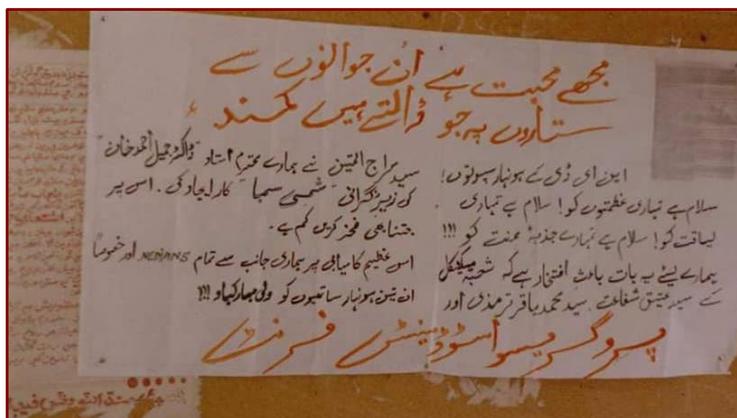


Picture of 1961 Cricket XI

I take pride in establishing IEEE students’ chapter at NED University in 1982 which was jointly inaugurated by its President [from the US] and the then Vice-Chancellor Late Prof. Dr. AT Khan. The Chapter rendered great service to the EE students in general and to those who wanted to go abroad for higher studies. I also take pride in teaching micro-processors when these were taught at NED University for the first time in 1983. I’m saddened to know that micro-processor 8080 which had become obsolete in the late 70s is still being taught at the university and wish that at least it had continued with Z-80 that I’d taught, and many groups of students worked with me on it as their final year project.

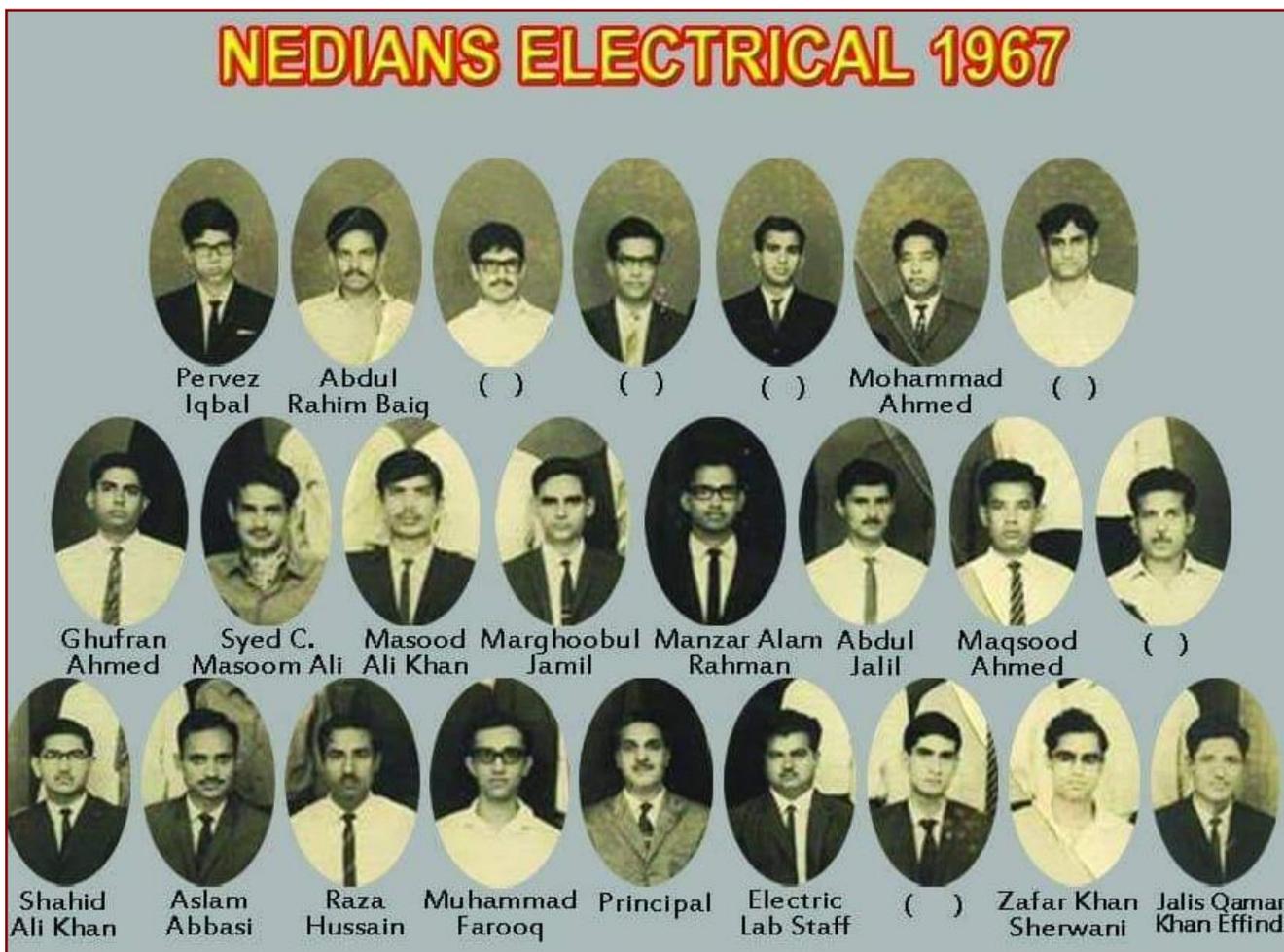
From 1977 to 1983, we had an excellent team in the Library Committee headed by Prof. Dr. Firasat Ali, who was a professor

of the Department of Mechanical Engineering and a very competent person. We would receive books from various publishers and select them for the library which too was in the developmental phase. We also managed to NED's subscription to IEEE which enabled the availability of the latter's various electrical and electronics publications regularly.



While serving as the provost of the hostels [7 in all], I piloted several reforms with the support of the then Vice-Chancellor. A very robust mechanism of allotment of rooms was developed and was strictly implemented. Also, the system for payments of hostel charges and dues was all cash-based with heavy pilferage. This was completely replaced by a centralized system comprising payments in the NED National Bank, maintaining appropriate payment records and monitoring of dues. This, on one hand, eliminated pilferage and on the other hand, made it much easy for the hostlers to deposit their fees.

A High Voltage Laboratory was established at the Department of Electrical Engineering around 1984 through the efforts of late Mr. SK Pervez who was Managing Director of Areva Pakistan



[now Schneider Electric Pakistan] and an NED alumnus Mr. Salman Qureshi, GM Areva. The basic objective of the laboratory was to support in academic programmes and provide an independent venue of testing to the industry, ultimately providing financial benefit to the university. Late Associate Prof. Muhammad Nauman was the focal person of the laboratory. However, most regrettably, during the tenure of Engr. Abul Kalam as NED University's Vice-Chancellor, the laboratory was disposed of as junk. In my view, Engr. Abul Kalam was a highly disciplined person but had no background of managing a university and couldn't envision the significance and potential of HV Laboratory for faculty, students, and the industry at large. Apart from other aspects, a wonderful opportunity of sustainable university-industry liaison, at least in Electrical Engineering at that point was lost.

I wish to express my concern that the engineers being produced by universities are not familiar with the present requirements of the industry. We must appreciate that the technology is transforming at a very high rate where various branches of engineering are coming together in one way or the other which makes it highly essential that rather than focusing only on specialized or single disciplines, interdisciplinary studies are also promoted. Further, newer technologies such as IoT, nanotechnology, artificial intelligence and the like should also be included in the curriculum.

I also wish to emphasize upon faculty and students to enhance their linkages with the professional bodies like IEEE, IEP, etc. which would be very conducive in their systematic professional growth in this highly competitive era.

Mr. Khalid Pervez has been the CEO of KPWS Consulting since 1997 and is the chairperson of IEEP Karachi Chapter. Earlier he had been associated with various organizations and served as faculty member at NED University from June 1972 to July 1987.

Dr. Muhammad Afzal Haque

I got admission to NED Government Engineering College in the Department of Mechanical Engineering in 1972. Though the infrastructure was not impressive, it was one of the most renowned institutes in Pakistan. Although the teachers were good and dedicated to teaching, there were limited laboratories and workshops. Despite that, all top-scoring students were willing to join the then NED college



The development of the present campus was the result of the World Bank's extended loan to the concerned authorities to develop the present campus, and the land was acquired from the University of Karachi. When NED was shifted to the main campus, there were extremely limited facilities, and students used to go to the University of Karachi to access facilities.

During that period, Progressive Student Front was the representative of the students of NED College, which was led by Mr. Sabahuddin Mujahid as President, while Shah Jamsheed Jami was General Secretary. They did not have any linkage or support from the country's rising political party at that time. The union aimed to make NED a better university.



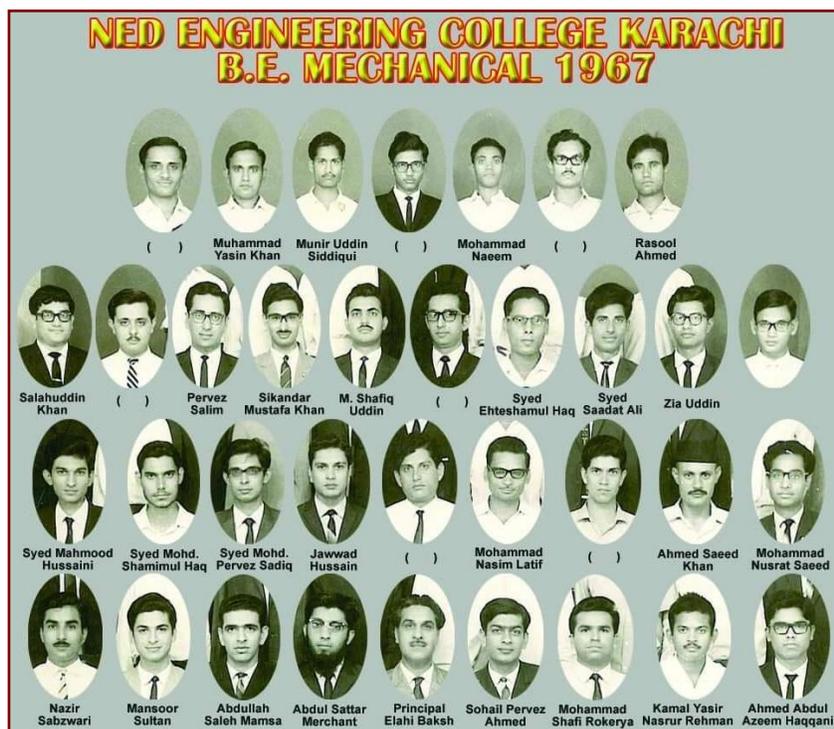
The students' union was student-centric which used to invite experts from industries to teach the students at NED as visiting faculty. Sometimes, they even called alumni from the industry to teach the students. The students managed all these activities through the administration.

1972 was a turning point; there were two political wings; right-wing Jamiat Islami Talba and Left with several factions. IJT won the elections. Along with other NEDian friends, I united all progressive factions and launched the Progressive Students Front to counter IJT. Mr. Sabahuddin Mujahid was its first President, and Shah Jamsheed Jami was its first General Secretary. Afterward, we worked purely for the betterment of NED. Although IJT also worked for NED, but PSF stood out. When the Government of Sindh imposed some incompetent teachers, PSF resisted it.



In 1972, NEDians also took a leading role in launching a movement for the repatriated Pakistanis from East Pakistan for their smooth evacuation. Students marched towards the residence of Late Zulfiqar Ali Bhutto at Clifton where they encountered charged-batons from the police. Though the

students could not meet with him, the PSF president handed over his memorandum to his office.



When the Government of Sindh announced to declare Mehran University of Engineering and Technology Jamshoro as a university, the students' unions started protesting to declare NED College as a university as it was functioning before Mehran University. Due to protests, the university was closed for almost six months, and our studies suffered. When I was in my final year, NED College was declared as the university. Another shutdown



of the university was observed for the six months during “Save the Urdu Movement”. Hence our batch was delayed by one year.

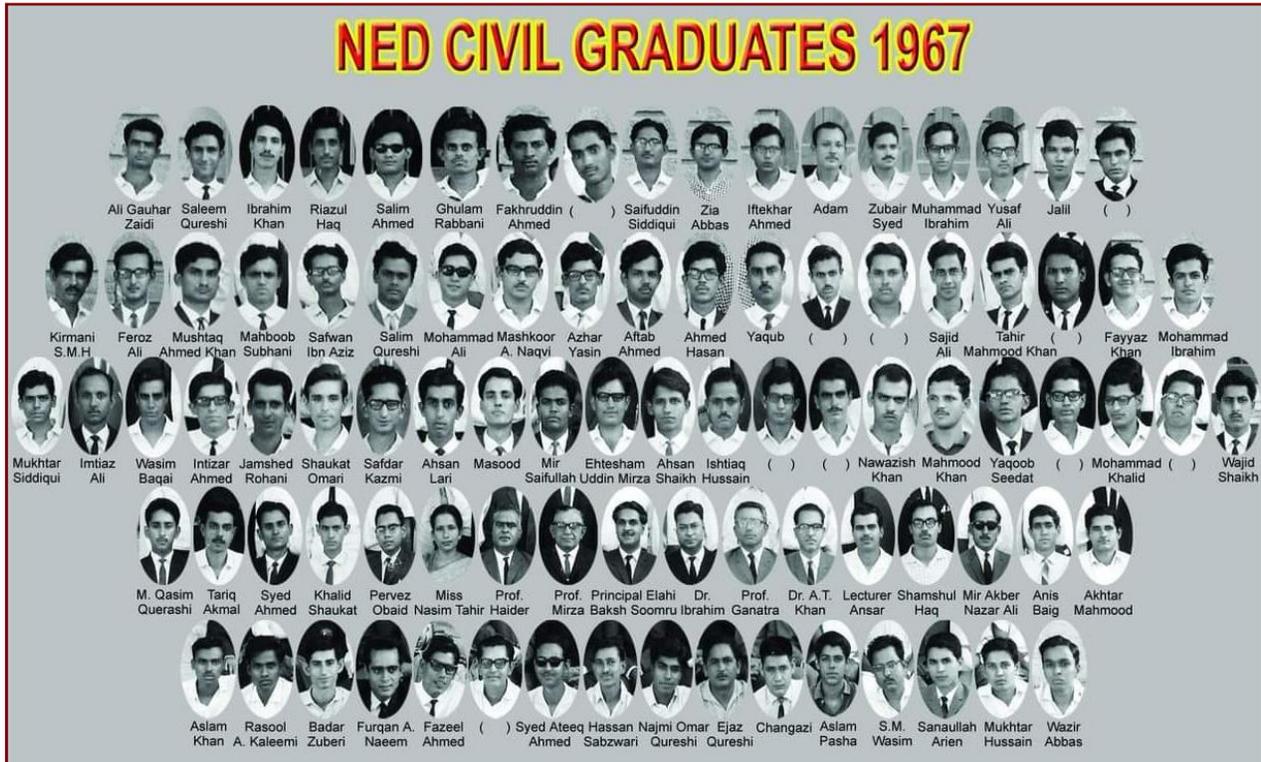
One of our teachers, Late Anwar Chaudhary, was also a boxer by profession besides being in the engineering profession as the head of the Department of Mechanical Engineering. There was only one teacher in our



department, Dr. Jameel Ahmad Khan, who held a doctorate. We demanded contrasting approaches from the principal, Dr. Ibrahim, notify him as the Head of Department. Both teachers had contrary approaches. Late Anwar Chaudhary taught us only an engineering drawing course.

At that time, the students just got admission at the university irrespective of the discipline. The first year was common for all students, and the students had to decide their discipline in the second year. 60 to 70 students from East Pakistan got admission at the then NED college. The then Principal Dr. Ibrahim and Prof. Aziz ul Hassan were very supportive of them, and they were allowed to live free of cost at the Metharam hostel.

During the first two years of the study period, the job market of Civil Engineering was in recession, so many of the students switched to Mechanical Engineering. Our batch's strength was 156. But



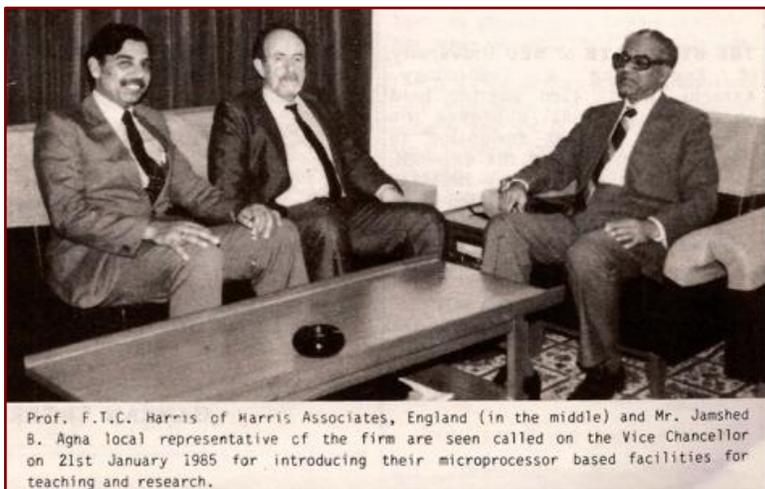
in 1976, there was a sudden rise in demand for civil engineers as several construction projects (Construction of Hub Dam, NESPAK projects) were in working progress. So approximately all 28 students from civil engineering were getting offers even when they were in their third year of study. Our fellow members of mechanical engineering got absorbed in Shipyard and Pakistan Steel Mill. During my whole career, I have observed a stable job market in Mechanical Engineering.

NEDians lived in two hostels, Metharam and Sevakunj, both of which used to be the central point of activity during elections. There were extremely limited facilities.

The routine way to access the NED college was interesting. It could also be accessed via the gate of DJ Science College. But its administration did not allow student to use it. Hence the students used to access the campus through via a short cut after passing through a thorny gauze patch in a slouchy position. Once the then education minister of Sindh visited NED College, Sabahudin Mujahid, the president asked him to access the campus via that route to experience the difficulty faced by the students to reach the campus. After that, the then minister asked the principal of DJ Science college to allow the students of NED to use the DJ science college gate to reach the then college.



In 1976, around 85 students got ready for the Pakistan tour. We reserved 02 bogies from Karachi Cantt Station. While arriving at Multan railway station, one of our fellows stole a mango cartoon and ran towards the train. The vendor chased him, but all his efforts went in vain as the train moved. Another memorable event was a bet to pick the apples from a garden at Swat, and our fellow was caught.



Prof. F.T.C. Harris of Harris Associates, England (in the middle) and Mr. Jamshed B. Agha local representative of the firm are seen called on the Vice Chancellor on 21st January 1985 for introducing their microprocessor based facilities for teaching and research.

The students at our time were fond of wearing maroon blazers. We participated in student debate & quiz competitions in which NED was very prominent. We used to attend these programmes to support our fellow NEDians. In one of the programmes, around 13 students participated in a competition at the

University of Karachi. We used to fill the environment with hooting and chaos when any candidate other than NEDians would come to the stage for participants to prevent them from giving a speech. While on the turn of any NEDian, we remain calm for their speech.

During our first year, University of Karachi (KU) and NED were single entities. While our visit to KU, there was a perception in KU male students that NEDians would attempt to impress KU female students. However, this was their misconception. During our study period, students borrowed books in groups instead of individuals. There was only one canteen, and the girl students sat on the backside of the canteen.



When Dr. Jameel Sb was declared as the Vice-Chancellor in 1980s, he played a vital role in developing the infrastructure of the Department of Mechanical Engineering. He can be called the father of the department of Mechanical Engineering. In 1988, on his insistence, I decided to join the university as a professor through a selection board. I streamlined the procedure and system of final year projects with Dr. Afzaal Ahmed and Dr. Muzaffar. Students' groups were resistant, and I got threats due to these reforms. Meanwhile, I got an opportunity to join as Dean at GIK and worked there from 1988 to 1994.

When I again joined NED University as the Vice-Chancellor in 2013, it was in heavy financial crises. It was under the liability of 1.56 billion rupees, out of which around 762 million was bank liability. Each month, the university approached for a bank loan of approximately 35 to 45 million to pay salaries. The loans' collateral was pension funds with certain conditions laid out by the banks. The university was at a point that if finance were not managed effectively, banks would refuse to extend loan facilities as it was close to the bank's maximum limit. Moreover, the property of NED was public property, and hence it could not be accepted as collateral.



I decided to pay back the loan as a high interest was paid monthly, and there was a rising annual deficit. With the help of my colleagues, the Government of Sindh, and the Higher Education Commission, a financial strategy was chalked out, and loans were paid back. With the support of the Pakistan Engineering Council and HEC, we introduced new degree programmes at the undergraduate and graduate level, increased the number of seats in the self-finance category by 150 in undergraduate programmes,

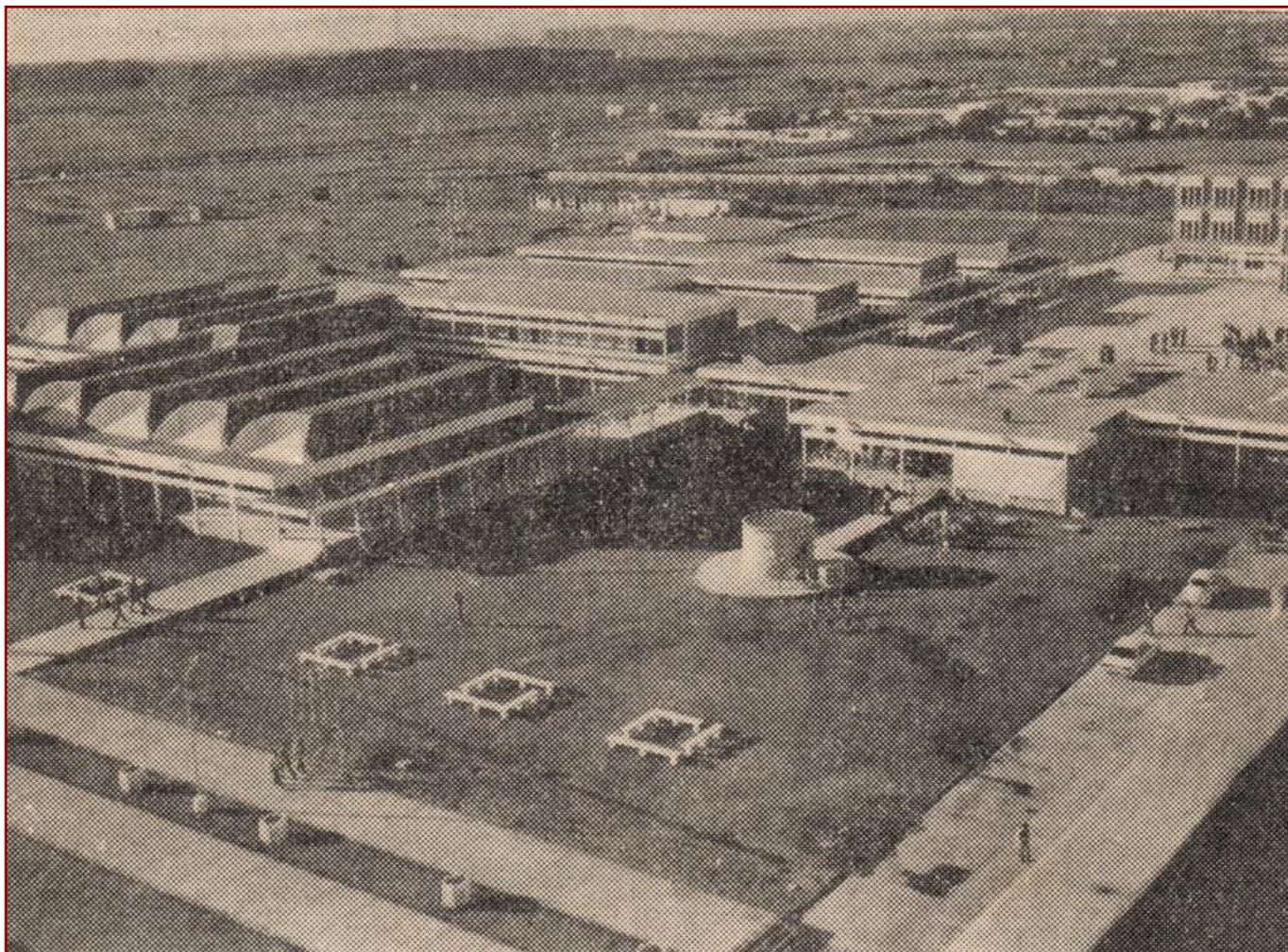
and raised the self-finance category fees substantially. I am thankful to Engr. Inam Usmani, who was the then Senior Vice Chairman of PEC & Dr. Sarosh Hashmat Lodi, the present Vice-Chancellor, and the then Finance Minister of Sindh and present Chief Minister of Sindh Syed Murad Ali Shah for arranging funds to pay back the bank loan.

From 2015, I ensured its implementation. I ensured and stressed the functioning of the Ph.D programme and dedicated substantial funds from each project for Ph.D.

When I left the university in March 2017, the university was financially strong. There were around rupees six hundred million in endowment fund which may have been raised to more than rupees one billion. We also able to allocate reasonable funds for routine maintenance. Funds from scholarships from HEC were also arranged. Students' fee was marginally increased.

Postgraduate studies were emphasized because, in the 2020 convocation, 13 Ph.Ds were awarded a doctorate. The current vice-chancellor ensured consistency in these policies to enhance the stability further.

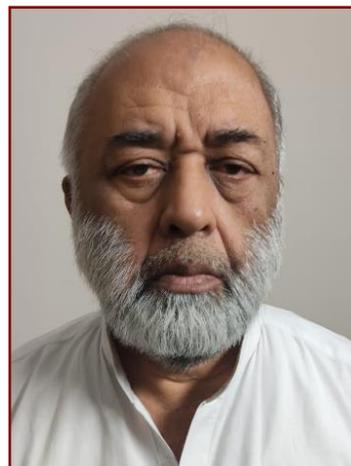
Note: Dr. Muhammad Afzal Haque has served the university as the Vice Chancellor from 2013 to 2017.



Mr. Javed Aziz

Though I got admission to NED Government Engineering College in 1975, I watched NED university very closely since my childhood.

My father, Prof. Aziz ul Hassan Sb, once told me that Nawab Malik Amir Mohammad Khan who was known as Khan of Kala Bagh and was then governor of East Pakistan was famous for his disciplined attitude. He was the Chancellor and head of all educational institutes at that time. During the admissions at the NED college, one of his relatives did not get admission, on which he inquired from the college's administration. The Principal at that time, Syed Mehmood Alam, informed him via letter that his relative's number on the merit list was 107 whereas 100 seats were allocated on merit. He also informed him about the compliance of merit at NED college and suggested that as the chancellor he can increase the seats which could lead to the admission of his relative. The governor of that time praised such compliance and mentioned that he was happy to know that still there was some institute in Pakistan where merit was (is being) conformed. So, he approved to increase 25 seats in NED college along with additional funds of such seats.



In 1973, due to another students' movement, the other 100 seats were increased. That led to conduct the classes in the evening to accommodate more students due to limited space capacity.

Prof. Aziz ul Hassan Sb used to supervise the printing of examination papers of NED college. Earlier it was printed at the press near the Governor house, afterward at Security Press old sabzi mandi, and then at the University of Karachi.

I got admission to NED college in the Department of Civil Engineering. There were around 200+ students in civil engineering and mechanical engineering each, while around 27 students in electrical engineering. The low ratio of students in electrical engineering was due to recession in its job market. During our third year, our batch mates arranged a national tour for which limited funds were allocated by the university. Pakistan Railways reserved dedicated two bogies for us for 21 days. While arriving at the station of any city, bogies were isolated from mainstream till we completed the visit of that city and allied areas. After our outing, we returned to our bogies for



taking rest. Those bogies served as mobile hostels for us. We had two peons from the university who look after our luggage in bogies in our absence. We even visited Afghanistan for seven days while our bogies stayed at Peshawar Railway Station. During our tour, the batch of each department used to intersect each other at several stations.



August 1983
Karachi Cantt Station
Pakistan Study Tour
TE (Mechanical) Batch 1981-2 with Nadeem Hussain, President, NEDSU-83

Our batch was the first in which female students also participated in the tour with the cooperation of Dr. Ansaar Sb, who was the teacher of Mathematics at NED College. His wife, who was a teacher as well (other than NED) but was very familiar with the environment of the then college, was requested to accompany the girl students as a coach in that visit. While Dr. Ansaar sb was

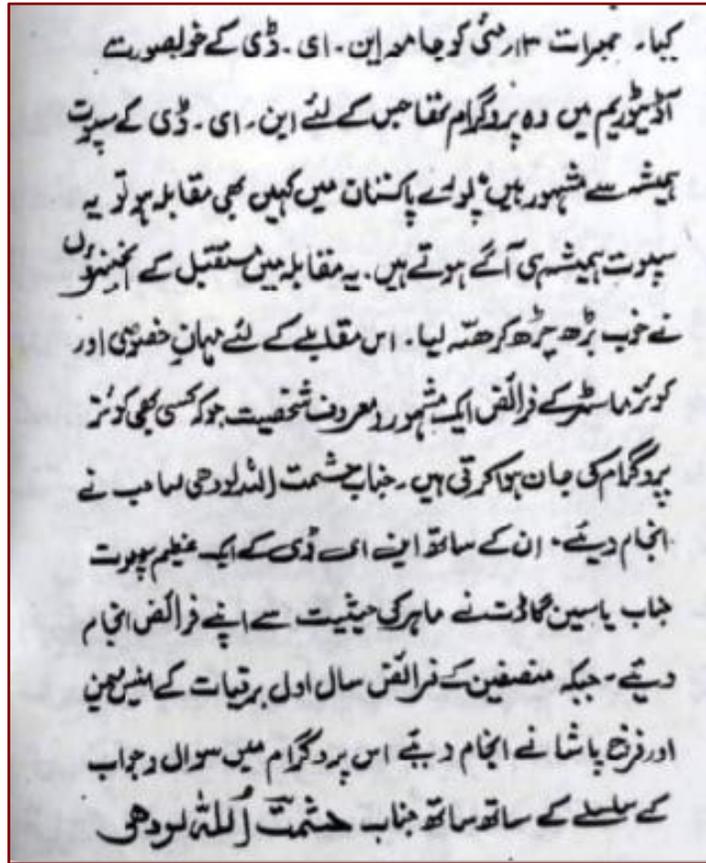
the coach of male students.

I remember that during our stay at Quetta, an unfavorable event happened due to the immature attitude of one of our fellows, the family of AC (or DC, not clear in my mind) was disturbed. That officer called on Dr. Ansaar Sb to see him on which Dr. Ansaar Sb conveyed a message to him that as a government officer, he was senior to him and that instead of him, he would come to meet him.

At our time, the first year was common for all students, and discipline was selected in the second year.

When the college was shifted to new campus, Syed Mehmood Alam who was also a former employee of Pakistan Railways, and Prof. Aziz ul Hassan played a crucial role in arranging funds for NED. To ensure the continuity in funding, construction of hostels were assigned as the foremost priority.

Many students who belonged to Karachi had also allotments in the hostel as there were ample rooms that remained vacated. There were two tea Kiosks near the MBQ-II hostel that served food as well. They were operated by Pir Bux and Inam Gul who were both employees of the university. At late night, during the gathering of students and just before the examination, there was a huge crowd at these kiosks.



When the campus was shifted here, the university road was a single lane, accidents were common



and both sides of the road were surrounded by Acacia (or babool) trees. One of our fellows also encountered a critical accident. Two buses used to transport the passengers headed for Saddar after 4 hours. Later in G3 bus started the operation. There was a narrow passage from the university to Malir Cantt. Camel carts were common which used to access Sabzi Madni from Malir to sell their vegetables.

We used to access the city campus as practical laboratories facilities were there. The university's point left for the city campus at around 16:00 via Empress Market and then returned at 22:00 following the route of Hassan Square. Later on, as the number of students increased at Hassan Square a new fast-food restaurant started its business. At that time old sabzi Mandi was a very busy area till late at night. There was also a kiosk near safari park which was accessed by students during examination for having cigarettes or “naswaar”. Besides, during examinations students used to visit Sabzi mandi at late night for food. There was no fear of any robbery even at late nights.

We used to access the city campus as practical laboratories facilities were

NED has continued to stay as an autonomous institute, free from external interference. All academics and administrative processes at NED University were observed as per rules and regulations, and decisions of the Syndicate and the Senate. Due to its attempt to maintain fairness and independence, NED often faced problems from some government functionaries. Some of them caused unnecessary delays in the release of funds.



Students with Dr. Abdul Salam in early 80s

One of the top engineering colleges of Karachi which was affiliated with various engineering universities of Sindh at different times and now functioning as an independent university had experienced serious issues in academics and administration due to interference of the various governments. But NED University was safe from such concerns.

I remember that when it was notified that Kalam sb would be the Vice-Chancellor of NED University, examinations were going on. I was on invigilation and saw that someone is coming from the out-of-the-way path. I guided him to the proper path, then he inquired about the office of Chairman Civil Engineering. I asked peon to take him to the chairman's office. Later when that person left the office, chairman sb approached me and asked if I knew him, I said "No". On that Chairman sb told me that he was our new Vice-Chancellor Abul Kalam.

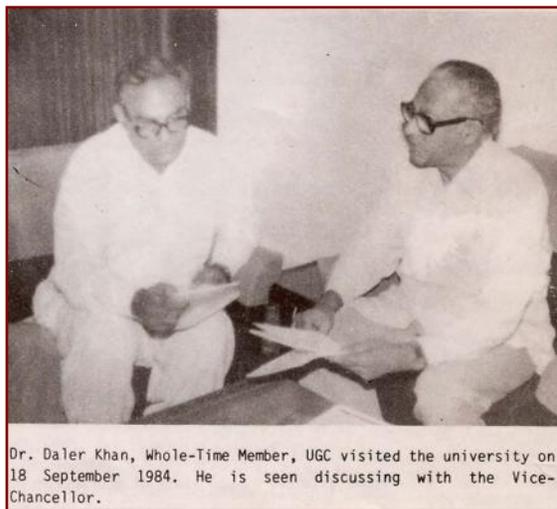
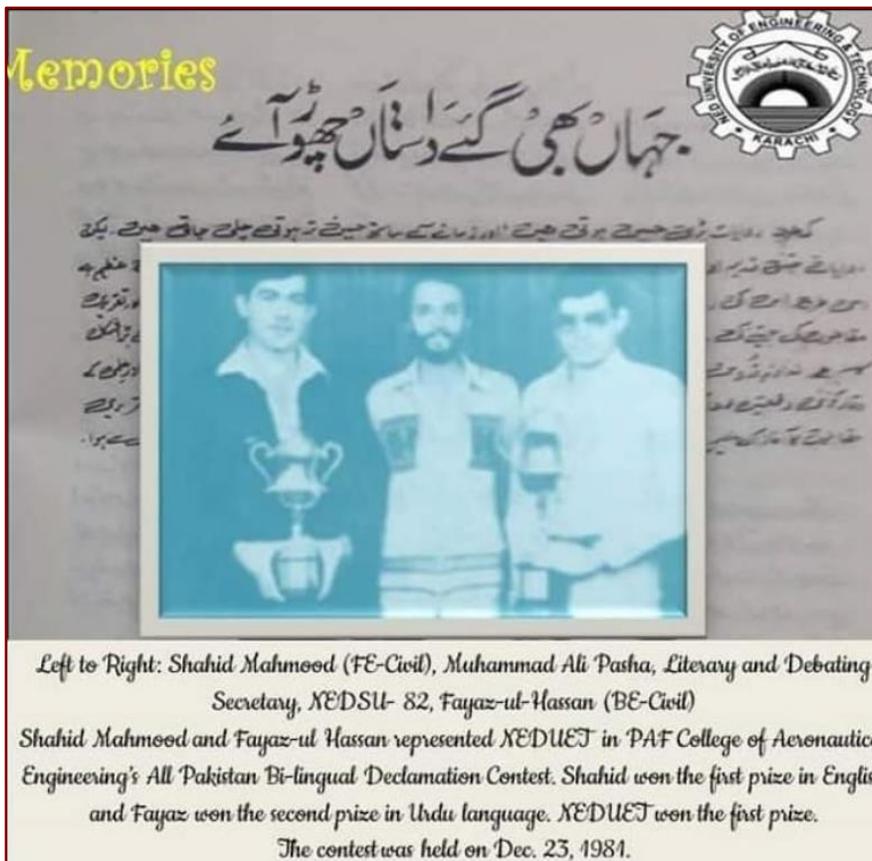
Kalam Sb transformed NED University into a very disciplined institute. NED University flourished greatly during the era under his supervision.

Once a minister of the provincial government came to NED University at the invitation of the students' group without any intimation to the university's administration. Kalam sb asked me to accompany him to my office and if the matter got out of hands, then the minister would be requested to leave the university with the involvement of the Rangers, and he would handle the matter. Well, I talked with him politely and he came along with me towards my office. He even blatantly asked the chancellor and governor of that time to access his office for smoking, instead of smoking publicly at the campus.

I retired from the university service some years ago.

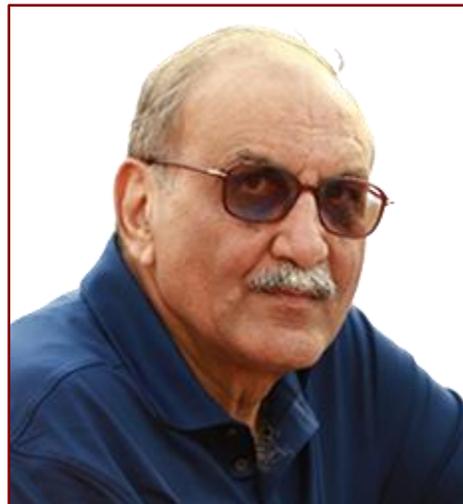


A view of Student's Gate in late 70's



Mr. Farhat Adil

I got admission to NED Government Engineering college in 1975. The execution of Mr. Bhutto had brought upheaval in the country, which also affected NED. The university remained closed for 06 months, and our batch got degree 6 months late in 1980. Earlier, the city's political atmosphere was calm, and there was social tolerance. But after a new ethnic political party emerged and raised the slogan “کراچی پر قبضہ نامنظور” it raised a voice against the rural-urban quota system that led to upheaval in the political and social environment of the city, which ultimately also affected NED University.



In the 70s, the news of NED college and University of Karachi were published in one of the weekly publications of daily Jang “شہر سے 12 میل پرے”. We had our classes both at the city and main campuses, which created hindrances for students. Hence the students’ union shifted all the classes towards the main campus. The main campus was under construction at that time. Iqbal Kathri, the then president, and Sardar Hanif, the then General Secretary of PSF, played a crucial role in that process.

I recall that when NED college became a university, an ordinance was passed in the Sindh assembly to change the name of NED University to “University of Engineering and Technology Karachi,” which was unacceptable for the students. The students took to the street, and a procession was headed towards the Chief Minister House. At that time, Ghulam Mustafa Jatoi was the chief minister. After a sit-in protest of around 3 hours, the union’s leader met with the then chief minister, and finally, it was decided that the name of the university would remain unchanged. The movement was labeled as “Save NED Campaign”.



A Music Competition at the Varsity with Mr. Sohail Rana, renowned music composer

The hostels were constructed on the first priority as the students came from all over Pakistan, More hostels were required apart from Meetharam and Sevakunj at Burns road, old city. Later two more hostels were constructed Muhammad Bin Qasim Hostels (MBQ1 and MBQ2), and later, when we were shifted to the new campus, 4 blocks of hostels were newly made J1, J2, J3, and J4.

I have observed that the Vice-Chancellor of the university or the administration has never allowed any interference from the government in the matters of the university.

During our academic period, I recall, there were around 34 seats on a reciprocal basis between Mehran University and NED University, 12-14 seats for Baluchistan, and some seats for other provinces. The students' union raised the

demand to increase the admission seats at NED University by 100 for Karachi, which was later turned into a political issue. The students from other provinces demanded a raise in the number of seats for their provinces. Instead, the demands were put aside, and lawsuits were launched against the students.

Soon after, the Academic Council recommended 100 seats for Karachi only with much effort. Some teachers opposed this decision, but it was eventually forwarded to the Syndicate for approval. The Syndicate was under extreme pressure and very reluctant to approve it, especially the then Vice-Chancellor as he belonged to a certain lobby. He planned to evade the Syndicate meeting somehow. So, he asked some of the teachers under his influence not to attend the meeting to have the absence of quorum that would lead to postponement of the meeting. I was a member of the Syndicate by the virtue of students' union.

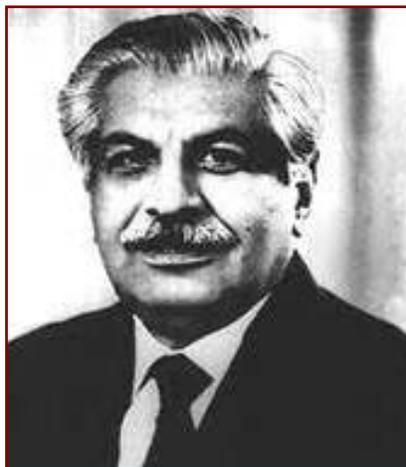
I was informed of this whole situation. Police also raided my home to arrest me, but I was not at home. My father, who was then a public servant, was also harassed. By some means, we contacted the then Justice of Sindh High Court, Ajmal Mian (who later became Chief Justice of Pakistan), who was a member of the university's syndicate. I explained to him the whole situation, and he



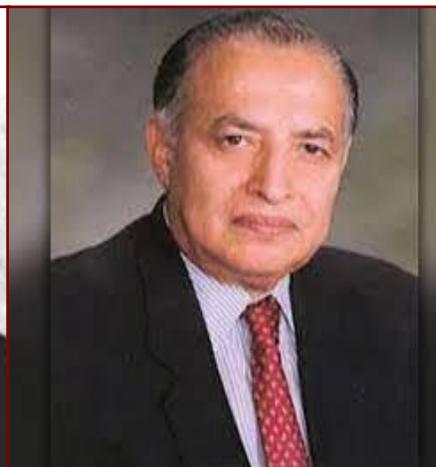
Moulana Ehtesham ul Haq Thanvi a religious scholar visited NED in late 70s

was extremely shocked to know that. He arranged my stay at his home, and on the next day, I reached the university along with him for the syndicate meeting.

I remember a migration issue of two students in 3rd year from Lahore. Due to some reason, a ban was imposed on migration. I contacted the then Vice Chancellor of that time to resolve the issue, and in return, he also asked for a favor and provided me two more names of students for



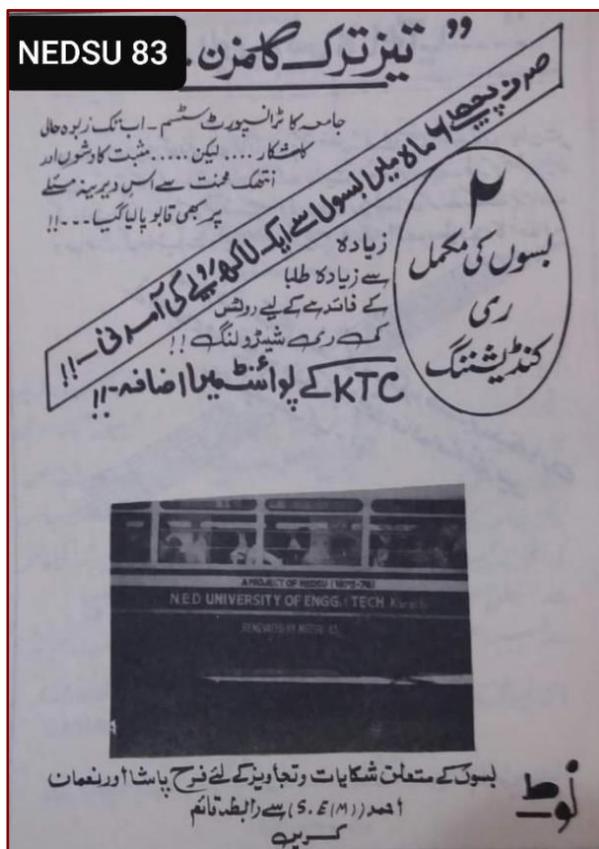
*Ghulam Mustafa Jatoi
Ex-Chief Minister Sindh*



*Late Justice Ajmal Mian
Ex-Chief Justice of Pakistan*

migration. I was asked to submit the migration of all four, and only then the matter was resolved.

At that time, the martial law government planned a meeting with the Presidents of all students' unions in Islamabad. Later, they arranged our tour to Murree. It was decided in a meeting that all matters related to any university will be submitted by a particular vice chancellor, after consultation with the students' union, to University Grand Commission to release the funds. After a short while, an amount of Rs. 100,000/- was received by the university, clearly mentioning that "This should be consumed in consultation with the unions." There were 6 hostels at that time, and we placed new colored televisions and water coolers in all hostels. In reality, it was a political inducement to maintain peace and harmony in the universities, as Mr. Z A Bhutto was recently executed in 1979. I also chaired the transport committee on behalf of the students' union. There were only three official points available at the university. Though there was the dedicated staff of the university, the union managed these points as it was a crucial part of its affairs. There were bus depots in different parts of Karachi with Sindh Road Transport Corporation (STRC). We used to inform it twice to move points towards NED University early in the morning and afternoon, respectively.



There were two student parties active at NED University; Islami Jamiat-e-Talba (IJT), and Progressive Student Front (PSF). The latter was an alliance of several unions like NSF, PSF, PkSF, BSF, etc. PSF's slogan was "NED for NEDians" "Build the Better NED." One of the mottoes of PSF was to resist the interference of outside political parties at the university, and it was the main reason for the success of PSF. Once, Mr. Liaquat Baloch, the then-student leader of IJT at the

University of Punjab, Lahore, was invited to address a congregation at the university. PSF severely opposed it, and event could not take place.



Haseena Moin at the function, Face-to-Face, in the early 80s

Several extra-curricular activities were arranged during our study period at the university. The auditorium has been a historical place, at least for all its students. All functions used to be held there. Unfortunately, once due to some reasons, the maintenance staff was unavailable. So, the

students carried out the polishing of the floor and other related works themselves. In addition, students used to watch movies weekly.

The most famous programme was “Face-to-Face,” where we invited several celebrities from different walks of life, among them were Zia Mohiuddin, Bholo Pehlwan, and his son Zubair Jhagra, Zaheer Abbas, Haseena Moin, and Parveen Shakir. Although PSF was progressive, they used to invite religious personalities as well. Once Molana Ethesahm Ul Haq Thanvi was also invited. In 1979 (or probably in 1980) Inter-college Music Competition was arranged in which around 20 to 25 thousand students from several institutes were willing to attend it. Due to limited space, it was postponed.



Similarly, debate competitions were also held. In the 1980s, an Inter-College English Debate Week, offering “Power Flow from the Barrel of the Gun,” was arranged. Mr. Nayyar Bari, the then Deputy Commissioner (DC), called on the then Vice Chancellor and asked to change the topic. The union refused to change the topic at the eleventh hour, as the students had prepared for the topic on that day. The DC was displeased and organized a meeting with the union. Since the topic was not changed, the DC sealed the auditorium and postponed the event. Once there was a Punjabi Debate Competition with a funny topic “راجا پاگل سی” which everyone profoundly enjoyed.

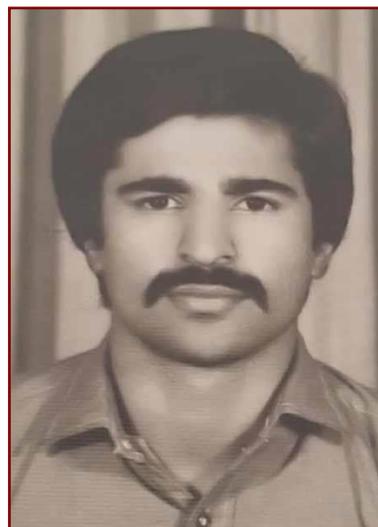


On one occasion, we arranged a poetry symposium on the birth anniversary of Allama Iqbal, which was attended by Faiz Ahmed Faiz, Josh Mali Abadi, Qateel Shifai, and Ahmed Faraz. A qawwali programme was also organized to which Sabri Brothers were invited. The two-hour qawwali programme was extended to 6 hours and wrapped up at dawn.

In the 1979 union election, the first-ever election after ZA Bhutto's execution, PSF won the elections. However, the print media highlighted PSF as a left-wing party which portrayed a negative image of PSF. Unexpectedly, on that day, our procession had marched from the new campus to the old campus. Afterward, Sardar Hanif, with some other students, met with Ms. Benazir Bhutto. That news immediately took place in all newspapers and provoked martial law government, and about five lawsuits were filed against us.

There was strong unity among the students, and they truly cared for each other. During the martial law era, the government pressured the universities through provincial governments and military courts to ban the students' union. Finally, they succeeded to ban them in 1982. Those were unforgettable days; I wish that practice would continue today.

In the third year of our studies, we used to book train bogies for the national tour. Our first batch was in which female students also participated in the tour. Wajahat sb was our coach on tour. In reality, it was a sort of training of surviving and enjoying with limited resources.



Humayun Soomar

We had a very good cricket team which was led by Humayun Soomar, a mechanical engineer, led. Besides, Saleem Baig and Asif Kamil were also active team players. Azhar led the hockey team. There were a lot of sports tours to different universities in numerous cities. We had also won several tournaments.

Those were the days with some great golden memories, and I wish to go back and live in that time again!

Mr. Jamal Akhtar

The NED Government Engineering College got the status of the university as a result of an Act of the Sindh Assembly in 1977 and acquired land of 100 acres from the University of Karachi. The construction of hostels was assigned as the top priority as most of the teachers lived in hostels in those times. NED College was shifted to the main campus in 1976, with Engr. A. M. Akhoond as its Pro-Vice-Chancellor for the next two years.



I have witnessed different eras of NED University in my job tenure. At that time, the students' unions were very active and had a very strong influence over the administration and financial approvals. They even had representation in the Syndicate. They would directly approach the office of the Vice-Chancellor to resolve any issues faced.

In 1988, the acting General Secretary of Progressive Students Front arrogantly entered into the office of the then Vice-Chancellor, violating all ethics, and misbehaved with him, asking him to check the condition of the washrooms and allied facilities. Once, he even approached the the then Vice-Chancellor along with a cauldron of food to taste the quality of food being served to the students in routine. He reminded him that it was his duty to monitor the quality of the food. Another time, he barged into the office of the Vice-Chancellor and blatantly asked him to resign as he felt that the Vice-Chancellor was not fit for the post!

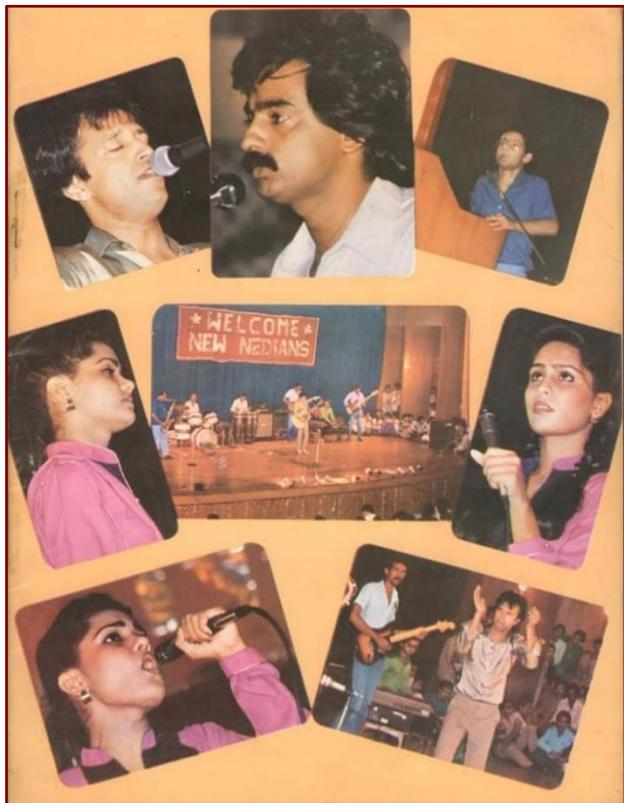
In 1989, there was a clash between two ethnic parties. Gunshots were initiated one noon and the firing kept going on till just before evening. One of our colleagues become the victim of the firing and was shot dead.



When Dr. Jameel Ahmad Khan became the university's vice-chancellor, the students observed strikes for 15 days. Gradually, he started work from home, and after the discussions that he held with the union, he joined the office. He was known to be a very strict Vice-Chancellor. Once a student approached me and awkwardly inquired about a visiting faculty teacher. I told him that I did not know regarding the absence that teacher as he was amongst the visiting faculty. Despite my reply, that student tried to access the office of the then Vice-Chancellor, Dr. Jameel Ahmed. Dr. Jameel called me and inquired about the student, and I asked him if he had asked about revisiting the faculty teacher. I explained him the whole matter. Since he was the nominee of sensitive organization, Dr. Jameel Khan decided to inform that organization and readily prepared to rusticate the student, but once the student was excused, the matter was resolved. Later on, IJT placed inappropriate posters about this incident.

PSF approached me to inquire about the matter. Finally, the said student had to apologize for this behavior.

In the 1990s, during communal riots in Karachi, three students were killed due to direct firing upon them. The law-and-order situation was very sensitive in the city. Due to the efforts of Dr. Jameel Ahmed Khan and the acting Vice Chancellor of the University of Karachi, deployment of the Rangers was arranged in both universities by having a meeting with the Corps Commander of Karachi. The Rangers would have deployed earlier, but some top functionaries, were not willing to cooperate. Due to the above incident, a way was paved for the deployment of the Rangers. Other security measures were also taken.



Engineer Abul Kalam joined NED University in 1996. Kalam Sahib once narrated his entry to the university, stating that he had received a call from the Governor's house to meet with the then Governor Kamal Azfar for Vice Chancellorship. Kalam Sahib asked for one week to decide on acceptance of that offer. Finally, he accepted the offer on the conditions of completing 4-year tenure and no interference in the university's affairs.

Just before the notification of Abul Kalam Sahib as Vice Chancellor, some people in the system were quite confident that Dr. Jameel would become the Vice Chancellor. After Kalam Sahib's appointment as Vice Chancellor, Dr. Jameel was notified as Pro Vice Chancellor. He was later made Advisor to the Vice Chancellor.

After the next day of his appointment, Kalam Sahib came to the university to join but found his office locked. He angrily asked his PA to open the door. Though the PA was unfamiliar with him, he recognized Abdul Kalam from his voice. He inquired about Dr. Jameel Sahib, for which he was told that he had left for his classes. He found how many employees were waiting outside to welcome him and had not seen him earlier, and he asked all of them to return to their office as he would come by their offices to meet with them, himself.

The construction of the new administration block started during the tenure of Dr. Jameel Ahmad Khan, but it was completed in the tenure of Engineer Abul Kalam. In 1999, the Vice Chancellor office was shifted to a new administration block.

Kalam Sahib ensured proper discipline, law, and order within the university. He introduced the trend of serving show-cause notice to students, suspending them, and placing their photo at the main gate to block their entry.

Once in the earlier period of Kalam Sahib, one of the university's student severely misbehaved with a teacher. The teacher reported the matter to the Vice Chancellor. He ordered the management to place the student's photo at the university's gates, banning his entry within the university premises. The student approached me to get his photo removed as it caused enormous humiliation to him among his fellow students.

Since his joining, Kalam Sahib even directed to register an FIR report against the students involved in the first clash of the politically backed students' group. However, there was such strong pressure from the office of that political party that even the police were hesitant to register the FIR. But Abul Kalam was very firm to do so and even prepared to place a resignation notice if demanded.

Once there was a quarrel between two politically backed students' groups. I advised Kalam Sahib to impose a fine of Rs. 5000 on them. The students of one of the political parties approached the governor's house and filed a complaint against me. The application, after being processed, reached the Vice Chancellor office, on which Kalam Sahib got agitated and called on students, telling them to directly come to the Vice Chancellor instead of approaching the governor's house, as his doors were always open. Instead of waiving off their fine, he suspended them for two years and asked them to approach the founder of their political party for any relief. Afterward, Kalam Sahib wrote a 4-page lengthy letter to the Governor's House and suggested that he avoid interference in the university matter.



Once in a quarrel between some of the parties, I was forced by the students of the same political party to not mention their names, for which they even approached me at my home, threatening me and pressurizing me with various means and tactics. Kalam Sahib found me under stress and arranged for my rest and recreational leave. Later on, I informed him about the study circumstances of my children and then withdrew from the leave.

Once Abul Kalam Sahib rusticated one of the students who had been in affiliation with the most influential ethnic political group for two years. When Kalam Sahib availed leave for one month



and Dr. Abdul Samad took charge, he was forced to nullify the order, but he refused to do so. During the course, the then Governor, Moinuddin Hyder, was on a visit abroad. The then speaker of the Sindh assembly, Mr. Nawab Mirza, assumed the acting governor's charge who then reinstated that student. Abdul Kalam met with Moinuddin Hyder, put that order on his table, and told him that it was out of his jurisdiction and so he could not issue this order. The governor then told him he had not issued such an order.

Once during the final year celebration of the students, students were breaking the code of conduct. Despite the security staff directing them to remain within the limit, their overexcitement led to damage of glasses of showcases. I immediately reached the site and ordered security staff to punish them physically. Later on, a complaint was filed against me in black and white. Kalam Sahib took the note and wrote on it: It means our deputy registrar is very responsible and will help in his promotion. I keep that letter as a memory to date.

In 2002, glass bottles of cold drinks were used by student groups in a clash. Afterward, they were banned from the university.

Due to a law-and-order situation, the Rangers launched an operation at hostels, and the MBQ-I hostel was sealed. For many years, it was desolate, and its condition turned pathetic. The Rangers raised the demand for it. Though Kalam Sahib was a strong critic for its handing over, he kept important factors in view and handed it over to Rangers. Later on, when the university needed some portion of the hostel, a meeting was arranged between the then DG Rangers and the university administration. The required portion was returned to the university where the Medical Center was established. The DG Rangers revered Abul Kalam and returned the whole building. But to ensure law and order in the whole area, it was decided to have the presence of the building for both universities.

Once, Kalam Sahib showed his willingness to withdraw the Rangers from the university. Earlier, the Rangers were deployed at various locations and gates. Later on, they were limited to one gate only.

Latif Ebrahim Jamal was one of the most prominent business personalities of Karachi. He belonged to a Memon family. Once, he discussed with the then HEJ Institute Chairman Dr. Atta-ur-Rehman to donate his land opposite Liaquat National Hospital to any trustworthy person for educational activities. It was suggested to be donated to NED University as Kalam Sahib could adequately use it. An initial meeting was held between him and the university's administration.

Along with Kalam Sahib, the Deputy Registrar, Ashfaq Shah, and Dr. Muzaffer Mahmood were present in the meeting. We briefed him about the establishment of the department of Bio-Medical engineering. All matters were amicably finalized. Unfortunately, his son, Aziz Jamal, was out of the country at that time. Aziz Jamal only came to know about that agreement on his return, after which he faxed a letter to Kalam Sahib, which consisted of detailed terms and conditions. We again arranged a meeting with Late Latif Ibrahim Jamal in the presence of his son and presented that letter, which infuriated him. He tore the document into pieces and stated, "When we Memon once commit, we cannot step back."



Due to the growing number of academic departments, students, and some other critical circumstances, there

was a need for another entrance gate. However, the University of Karachi was reluctant to dedicate a one-acre patch of land to NED University for "Maskan Gate." The matter was raised before the then Chancellor Dr. Ishrat ul Ibad during his visit to NED University. On his mediation, the University of Karachi dedicated such a huge patch of land, and a new gate was installed.

Mr. Jamal Akhter is an the ex-employee of the university since 1985 and was retired as Deputy Register in 2015.

Looking Back – Critically!

(Prof. Sima Z Jalil)

The sound was sharp and short. It came again in quick repetition. I looked up from the papers I was checking.

Surprised but not particularly anxious. After all, this was a university, and students were always making some racket.

Only when my more experienced senior colleague said “gunfire” that I do a double-take.

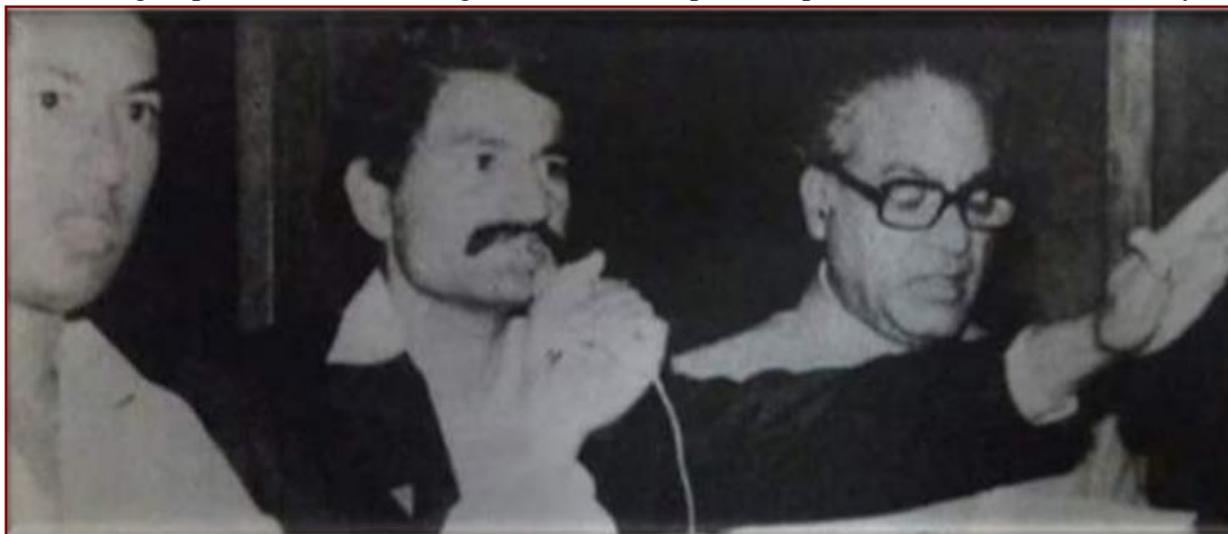
As a fresh teacher in the prestigious NED University of Engineering and Technology, I was certainly not expecting this! It’s true I had heard of rampant violence and turmoil in our educational institutions but never really expected to experience it.

Commotion outside. Raised voices. Shouting. Curiosity made me go out to look. Students were running in the corridor, chased by another group. Terrified. Some were holding guns. Shots fired.

Good, God! This was like taking part in an action movie!
Other teachers were coming out of their offices. Concerned. Anxious. Frightened.



This was the early eighties, the good old days of student unions. We were surrounded by several student groups, all offshoots of significant national political parties and no doubt funded by



Engr. Sohail Bashir (L) along with his friends while participating in the activity of students’ union

them. (This was hardly news for any of us, though.) However, I had not been a witness to any trouble so far.

So what exactly was going on?

A university where students toted guns and had no compunction about killing each other?

In the hostels, different buildings were taken over by various student parties (read political). One of my first-year students was shot and killed there.

He was 18 years old and had come from another city.

His crime? Getting caught in the crossfire between two blocks of hostel occupied by opposing groups.

In another scenario, a university employee was shot in the courtyard where he lay bleeding to death, and everyone too frightened to help him.

And student union elections... they were a story in themselves!

I remember the chaos. The major political / student parties are fighting and running off with ballot boxes, setting them on fire, more shooting, and injury. All sides blame each other, yet they are equally involved in the violence.

Students were sitting for exams with guns on their desks. Yes, believe it or not! The canteen guy was bringing burgers and Coke and handing them through the window of the drawing hall in the Civil Engineering department!

I could see clearly from my office. The student, a big burly individual, known for his criminal acts, had a handgun on the desk.

It was a total free for all.

One student who had failed the exam was actually brought in chains from prison!

Students were threatening teachers. Or bribing them with dinner sets, ghee, and God knows what else. Question papers were leaked to favorites. Bribing was easy.

But, almost all teachers were afraid. So, they did not dare to refuse.

Students were making sure they passed. Or else...

Making sure they toed the line of their particular ideology.

They were pouring instant glue in their door locks. I was told by a religious group that I should not discuss the veil (Purdah) in class. When I refused to cater to this outlandish threat, my office lock was sealed with instant glue, and not just once. That particular group also took over a room for their student office.

And the cheating in tests and exams!



Students Celebrates after Winning of Elections by PSF

It was taken for granted that all would cheat, and they did with absolute freedom and no fear of repercussion. Teachers were asked to invigilate these thugs. One student (from another city) told me that since I went home alone, I should be careful as 'anything might happen.

Browbeating, threatening, vicious, vindictive. The list is endless.

All this may sound highly dramatic. And it was. Very. These were young men who were drunk on power and its display. Young men who self-serving political parties of national-level had tempted, Young men, encouraged to create friction and turmoil. Carrying guns and using them. Was this an extension of their manliness? Very Freudian.

These were young men who were planning to be engineers. The hatred and conflict were ethnic, religious, sectarian, political. And each party was funded and promoted by its parent party – on the national level. It was a dirty, filthy game where criminals and hoodlums posed as students.



Bullet marks from the last gun battle on campus in 1989

I remember how an upcoming ethnic group (which was soon to rule the city for many years) threw out the office furniture and belongings from another ethnic group. Then, they set it on fire right there outside the Mechanical department. People watched and did very little.

There was a showdown between two groups who came armed with guns, knives, and Kalashnikovs. They fired at each other from the rooftops. The courtyard became a no-go area. I could see some students behind the cafeteria, piling out of cars with ominous bundles wrapped in green cloth. More guns. Powerful ones. Rifles maybe. Another group on the opposite side, on the roof, and behind pillars. Neither ready to even attempt to talk or deliberate. Future engineers?

It took a few very brave, courageous teachers to venture forth and try to calm them down.



Another time the students had a showdown with the police outside the gates. The firing between the two was unbelievable! Gunshots reverberating all around. Police threw teargas shells. Bullets pockmarked the walls and corridors. The teachers and other staff only managed to leave by

ducking behind pillars. After that, it was a war zone! And where were we? Sitting in our office checking exam scripts! Yes, it does have its funny side. Haha.

University was shut down, of course, for an indefinite period. (In fact, it would be simpler to say that university was only open for an indefinite period in those days !)

That was NED University (and all the other educational institutions) at the time.

That was NED University with Rangers posted at the gates, acting as if they ran the place.

The powers that be had decided that all educational institutions must have Rangers to protect them.

Why? Because these institutions were weak and unable to control a horde of violent “students.”

To be honest, it took many years to overcome most of these shortcomings. But some saner heads realized that this was getting out of hand, and slowly but surely, implementing rules and an iron fist gradually got things in hand.

Once student unions were done away with by the government, it made things easier.

A lot of credit goes to Engineer Abul Kalam, the Vice Chancellor. He was not willing to tolerate the situation. He made tough rules and ensured they were implemented because the implementation of rules and regulations is the first step.

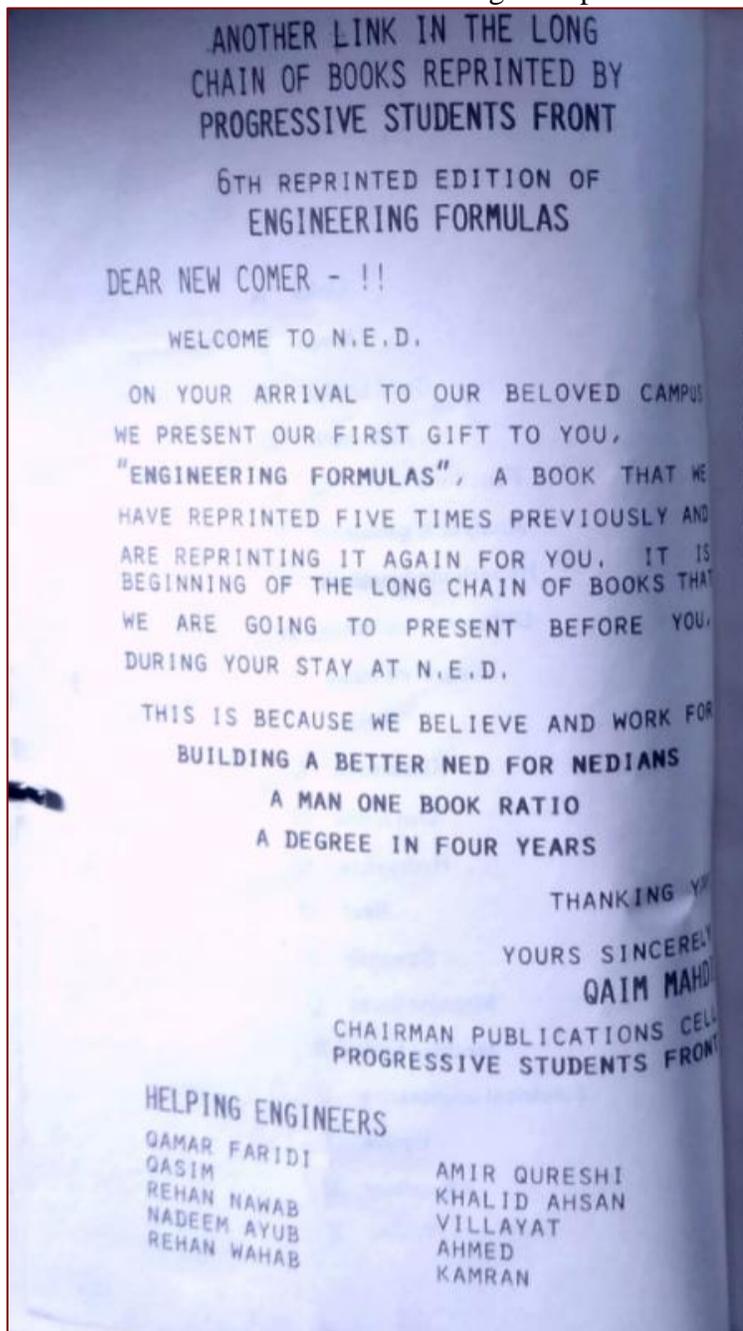
Today, the university has progressed by leaps and bounds. It is impressive how much can be achieved when there is a will!

The campus is inviting, clean, with no slogans or graffiti painted on the walls.

The notorious hostels have been converted into teaching departments. There are no Rangers (the shame of it !) posted at the entrance gates.

Students are no longer running around with guns and lethal weapons (chairs and desks had to be nailed down so they couldn't be used as weapons!)

Student councils have been formed to oversee their activities, and political groups discouraged. Tamer? Yes. Definitely.



But I look back with nostalgia and affection also! (Those who survived that period need to be given medals of bravery!)

Brilliant students emerged from that awful, violent rubble.

Students who are now in leading, respected positions all over the world. Students who spend their valuable time helping others

Students who have brought glory to the university and have a genuine love for it and their teachers.

It was the worst of times... it was the best of times...

Ms. Sima Z. Jalil was associated with NED University as a faculty member since 1980s and retired as Associate Professor

More Memories



One of the most successful programme, organized by the Literary and Debating Society, used to be Face to Face, Ru ba Ru in Urdu. The picture is of one such programme held in 1980. The celebrities included actor Tariq Aziz, squash player Jahangir Khan, poet Shahida Hasan, actor Shafi Muhammad Shah, journalist Wahab Siddiqui, Mir Shakeel ur Rehman, singer Tina Sani, singer Tehsin Javed, singer Amjad Hussain, comedian Ayaz Khan and Farid Khan and Khalid Siddiqui, Executive Building Control Authority, and Khalid Qureshi, Director Gammon Construction. Aftab Rizvi was the host. This particular programme ended with the jam-packed auditorium joining Tehsin Javed in singing Main Bhi Pakistan Hon, Tu Bhi Pakistan Hai



The picture is a group photograph of NEDSU 80-81 with Rashid Ali Baig, the President in the centre. Others from L to R are, Farooq Bazai, now Vice Chancellor of BUITEM and recipient of Sitara-e-Imtiaz, Sohail Bashir, Amanullah Hanif, Khalid Latif Dar, Aftab Ahmed Siddiqui, now MNA, and Mazhar Ali famous PTV actor who played a role in Fatima Suraya Bajia's drama serial Afshan when he was still student of NEDUET. All have their own success stories despite being in active politics in their student life. (After Election Picture)

مرے ساتھ رہنے والو! مرے بعد آنے والو!
 مرے دور کا یہ تحفہ تمہیں سازگار ہے!!

ہم نے ایکشن سے پہلے ہی ٹیکنالوجی کا وعدہ کیا تو لوگوں نے اسے ناممکن قرار دیا۔
 اور پھر تعطل پسند آڑے آئیے۔
 اور عزائم میں غلطیوں
 اور عجز کے بعد
 جانب سے ۲ کروڑ روپے
 کے کمپیوٹر پروگرام
 کے منتظری۔ ملک میں پہلی بار
 سی ۴ کی ڈگریہ کلاسوں کا
 آغاز..... طلبہ کو یہ کامیاب
 مبارک ہو!!

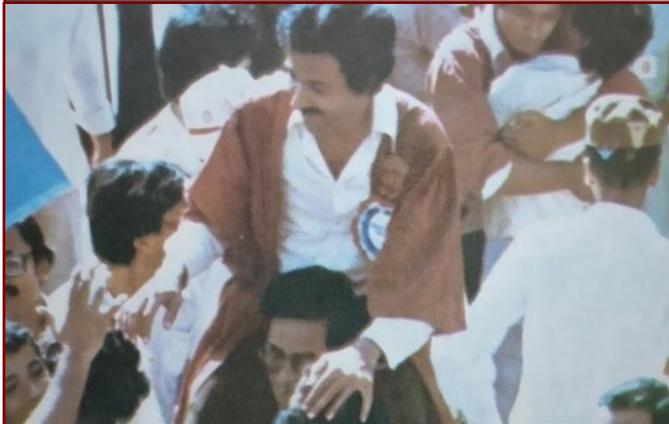
ایجوکیشن ٹیکنالوجی کا نام

COMPUTER SYSTEMS

☆

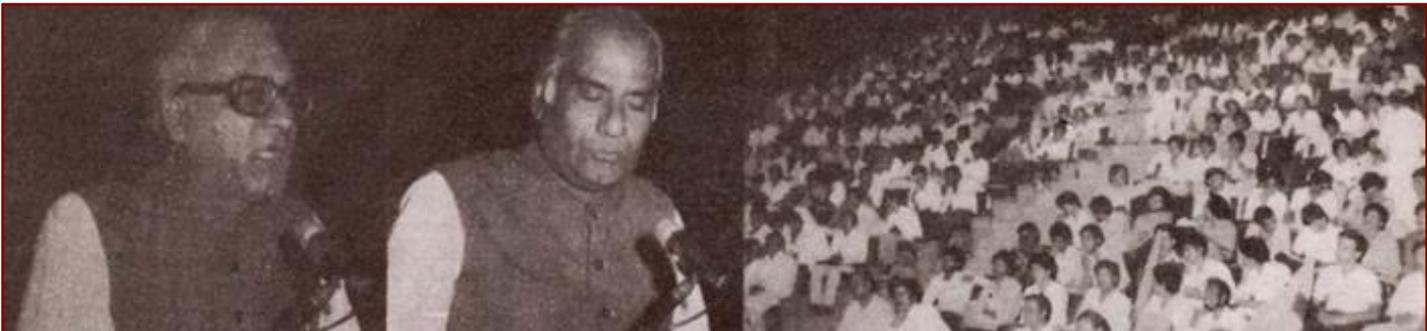


فن، فن کی معراج پر
 لیکن
 ایک نئے قصہ کے ساتھ
 تفریح کا نیا انداز
 خواجہ حسین الدین کی تحریر۔ این ای ڈی اڈمیوٹیم کے اسٹیج پر
 آرٹس سوسائٹی ۸۲ کی شاندار پیش کش
 ڈرامہ "تعلیم بالغان"

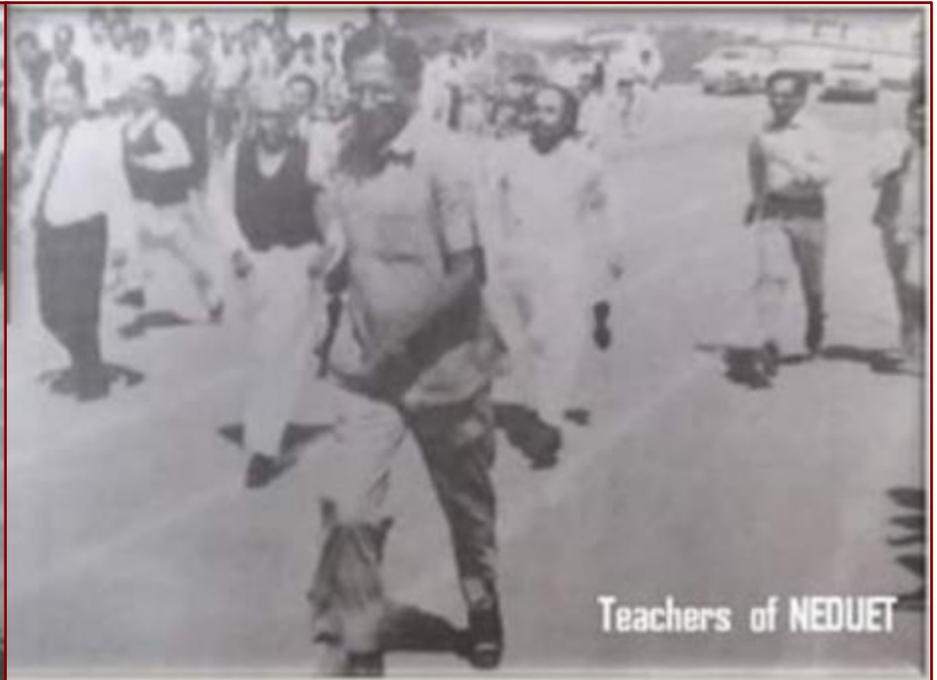


Rashid Ali Baig. President PSF after Winning Elections in 1981

It was in 1982 that the famous drama Taleeme Balghan was staged in the auditorium. Actors Mahmood Ali, Qazi Wajid and Subhai ba Yunus were there to entertain NEDians. Two shows were held in a single day, first at 1100hrs and second at 1330 hrs. The play was arranged by Arts Society of NEDSU 82



A view of the inauguration ceremony of a bus donated by the Karachi Metropolitan Corporation held on 18 July '84 at NED University Auditorium. Mr. Abdul Sattar Afghani, Mayor of Karachi (right) and Prof. Dr. A.T. Khan, Vice Chancellor of the University (left) speaking on the occasion.



Teachers of NEDUET

Sports Day in 1981: In left picture, the then NED students' union President Rashid Ali Baig along with the Vice Chancellor; On right side teachers of the university participating in sports



Dr. Makhdoomi accompanied Final Year students on a visit to some Industrial Facility, 1980-81

Final Year Project group with Dr. A. Q. Alvi in the center. From L to R, the group members are: Mahfuz ur Rahman, S. M. Irfan, Rizwan, Shariq, Asghar, and Waqar

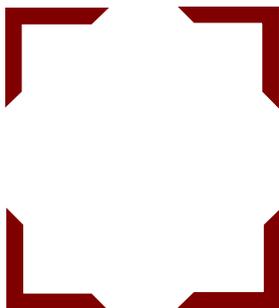


Dr. Abdul Salam along with the students



An Event at Seva Kunj Hostel in late 1950s

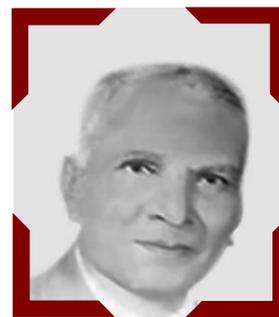
Principals



Rai Sahib Bhupatrai
1922-23



G. N. Gokhale
1923-35



S. B. Junnarkar
1935-43



M. K. Kewalramani
1943-57



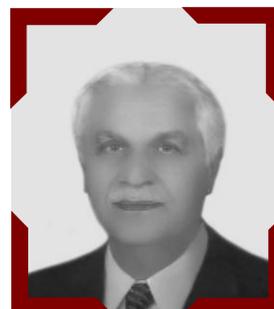
Rustom E. Mirza
1957-61



Syed Mahmood Alam
1961-66



Sirajuddin Ahmed
1966-67 & 1972-72



Illahi Baksh Soomro
1967-69



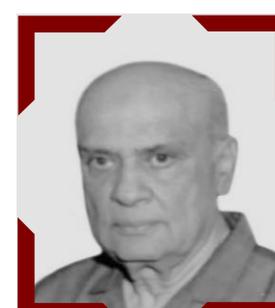
Abdul Hameed Khan
1969-70



Shaikh Manzoor Ahmed
1970-72



Mohammad Ibrahim
1972-74



Ali Nawaz Jokhio
1974-76



Vice-Chancellors



A. M. Akhoond
1977-81



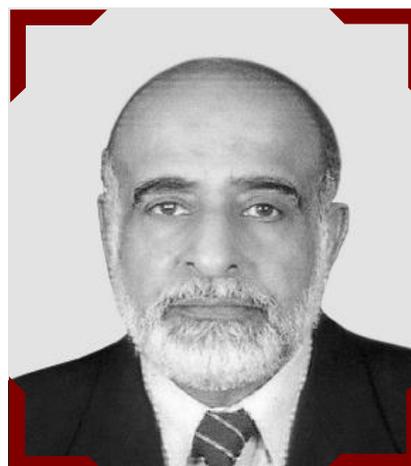
A. T. Khan
1981-87



Jameel Ahmed Khan
1987-91



Muhammad Munir Hasan
1991-94



Abdul Qavi Qazi
1994-96



Abul Kalam
1996-2013



Muhammad Afzal Haque
2013-17



Sarosh Hashmat Lodi
2017 to Present





Reflections



Khalid Rashid Quraishi



Batch: 1952-1955
Degree: B.E
Discipline: Civil Engineering

A college built for merely two hundred students is now a university approaching its centennial year with a student body of over a thousand.

Born in Amritsar in 1935, when India and Pakistan were partitioned, I was 13 years old, and I moved to the new state of Pakistan to settle. After clearing the admission test, I was admitted to NED Government Engineering college on merit in 1955. Because I had secured the second position in Intermediate, my education at NED was fully funded by scholarship.

When I showed interest in pursuing engineering, many people doubted my potential to complete a three-and-a-half-year-long degree in Civil Engineering. But I proved myself to be truly capable by graduating with a second position at NED. I was one of the intellectual students at the then, and my friend's group was also the same.

Life in NED was very simple, and there was little to no time left for extracurricular activities because studies were quite tough. I remember a few professors who taught me (1952-1955), and I am grateful to meet them through NED. First, Prof. Ibrahim taught me heat engines; second, Prof. Shoaib was the surveying teacher, and Prof. Ganatra taught materials. At that time, the principal of NED college was Mr. Kewalramani, who also taught us mathematics. Prof. Anwer Chaudhry, who later became the president of the International Boxing Federation, approached me a couple of times to promote IBF because of my public speaking skills.

When it comes to the student life at NED, I'd like to draw attention to the lack of interdepartmental interaction that existed at that time, particularly between Electrical and Civil Engineering students. Nonetheless, I treasure my time at NED and the opportunities it offered me later in life.

One of the opportunities was a scholarship to study at the American University of Beirut, where I was selected for a fully-funded Master's programme alongside two of my peers. Unfortunately, when I first arrived, the university management informed us that our degrees were undervalued and that they were unsure about the educational standards at Pakistani engineering institutes. As a result, we were required to take an aptitude test to assess our knowledge and academic standards; fortunately, we passed and went on to study at the American University of Beirut until 1958, when we received our Master's degree.

NED provided my fellow engineers and me with numerous opportunities throughout my professional life. I strongly supported the establishment of the Pakistan Engineering Council through several campaigns. PEC was represented on a variety of platforms and institutions by me. I also played a key role in the design and construction of the IBA building and worked at the Karachi shipyard in its early stages. My career may have reached its pinnacle when I was appointed acting chairman of Pakistan Steel Mills.

"You will be safest if you take the middle route" was one piece of concrete advice I followed throughout my life. My advice to NED students is the same as that given to me by my wife: to maintain balance in all aspects of life. They should strive for excellence in their field while also taking advantage of the resources offered by NED University.

On the other hand, NED University should strive to maintain its zeal to remain one of the most prestigious institutions. It should foster engagement between current students and their alumni to instill and nurture drive in the students. It should also publicize and market their achievements to attract attention and sustain long-term ties with their audience.

Abdul Razzak Loya

Batch: 1958-62
Degree: B.E
Discipline: Civil Engineering
Organization: Loya Associates
Designation: Managing Partner



59 Years of Consultation Engineering Experience Design of High-Rise Buildings and Bridges.

In our times, NED was the only Engineering College in Sindh. Learning from the devoted teachers of the institution was certainly valuable. My years in the university have groomed me to finish Msc-DIC (Struct. Engg) from Imperial College, London University, and Leeds University (UK). I gained experience working in England and the USA for 11 years. In 1979, I established a Consulting Engineering Firm in Karachi.

It has been forty-two years of my expertise in tall building seismic research and analysis, major bridges, highways, and industrial structures. Since then, I have been providing my services to all four provinces and federal government and private firms. Loya Associates is a partnership firm with Mr. Khalil Ahmed, BE (NED-Civil) and MS (Struct.) Davis University, California.

I am glad to see NED University completing its 100 years. NED College, which I had studied over 50 years ago, has completed the long journey to rise to modern world universities standard. Its students have shown their capabilities in foreign universities, engineering firms and different organizations all over the globe. I wish to congratulate all former and present staff of NED University for their devotion and diligence.

One hundred years of the university is a matter of pride and joy for NED alumni who have contributed to bringing up the institution as one of the leading universities in the world.

razzak.loya@gmail.com

Ismat Kamal

Batch:	1962-63
Degree:	B.E
Discipline:	Civil Engineering
Organization:	
Designation:	Property Manager
Past Organizations:	Ministry of Public Works Highway Authority, Yemen, World Bank Advisor; Ministry of Transportation, Ontario Canada, Traffic Engineer; Sindh Planning & Development Department, Chief of Transport & Communication; NED Engineering College, Visting Lecturer; Paper Setter and External Examiner Master Plan Department, KDA, Deputy Director



I consider myself fortunate to be alive at the Centennial Celebration of NED University of Engineering and Technology, having graduated some 55 years ago. Whatever I have achieved in life is primarily due to NED. In addition to getting an engineering education during my four years, there was a unique learning process and beneficial interaction with eminent professors, staff, and peers. Many extracurricular educational and sports activities also helped form my personality, which facilitated my work and made me a very successful person in life. My Student Union experience as elected Literary & Debating Secretary also refined my public speaking career. Thank you, NED, for converting a raw youth into a professionally respectable and renowned person.

My advice to the budding engineers of the university is to take their education seriously and participate with zeal and zest in the university's extracurricular activities. You have a great future ahead of you.

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Mushtaq H. Dawood

Batch:	1965
Degree:	B.E
Discipline:	Civil Engineering
Organization:	M/s Mushtaq and Bilal
Designation:	Principal



I studied at the old campus during 1961-1965. It was a memorable period. All the teachers were sincere and hardworking and taught us whatever they knew. Most of the books prescribed by a teacher were borrowed from the nearby British Library in Sarangati Building at Pakistan Chowk. Those were very peaceful days. NED was within walking distance from my house on Frere Rd., and all the hostels like Sevakunj and Mitharam were close by. I used to visit friends at Sevakunj

and often studied at the hostel. I was lucky to get a job in 1965, just before the India/Pakistan war started. But unfortunately, most class fellows could not get jobs for the next few years.

It's a great pleasure to have studied at NED Engineering College, an institution envisioned by great visionary Mr. Nadishaw Edulji Dinshaw a hundred years ago. I salute the man for his endeavor.

“I would like to advise the young graduates to emphasize on developing a habit of reading on their field-related topics/ subjects to improve and update their knowledge.”

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Syed Qaiser Imam

Batch:	1965-66
Degree:	B.E
Discipline:	Civil Engineering
Organization:	Integrated Engineering Services
Designation:	Honorary Advisor (After December 2018)
Past Organizations	Integrated Engineering Services- Consulting Engineer; National Construction Company (Pakistan) Ltd- Project Manager (Pakistan and Abu Dhabi, UAE)



It is a matter of immense pleasure to write a message on the occasion of the Centenary celebrations of my alma mater, the NED University of Engineering & Technology. It was 55 years ago, in September 1965, when the dream of being admitted to the most prestigious institution in the country came true. It was then called NED Engineering College. The building was old and small and had limited facilities and resources. Still, its degree was recognized on par with the most reputed institutions in developed countries, including the USA and Europe.

The four years spent in college have been the backbone of all the achievements in my life. My memories include academic as well as extra-curricular activities. Besides being active in college, I was also associated with Pakistan's only recognized student welfare body, established in 1951, known as the Students Welfare Organization, Khaliqdina Hall, Karachi. I was elected as its Joint Secretary (1965-66), General Secretary for two consecutive terms (1966-68), and Vice-President (1968-69). Later on, I was also elected its Honorary President for 1973-74. The organization aimed to provide books, notes, and financial and academic assistance to more than 3000 students from school to university level, including professional institutions, every year. It was regularly acclaimed by the then President of Pakistan, Federal and Provincial Ministers, and academics and intellectuals of society.

I contested the election for the Arts Secretary of the College union during my third year, polling equal votes against my class fellow opponent. Unfortunately, I lost on the spin of the coin conducted by our Principal, Mr. Illahi Bux Soomro. I have been an active participant in defending the rights of students and professional engineers. I have made representations and submitted proposals on issues faced by students and the betterment of educational policies on different occasions.

During my 11-year stay in Abu Dhabi, UAE, we founded the Pakistan Engineers Club for professional services. I was elected to its first Executive Committee, having secured the 2nd highest vote in the general body election held on May 6 1982. The Club, in coordination with the Embassy of Pakistan, organized technical and welfare activities for the Pakistani engineering community of Abu Dhabi, UAE. I was elected a member of the Central Council and the local council (Karachi Centre) in 1990-1991, 1992-1993, and 1998-2000 of the Institution of Engineers, Pakistan.

My association with NED University continued from 1995 to 2010, when all three of my sons graduated from NED University. Syed Asher Imam did his bachelor's in 1999 and completed his Master's in Petroleum Engineering from Texas AM University in 2003. Syed Ahmer Imam graduated in Civil in 2003, completed his Master's in Project Management from Wayne State University, USA, in 2009. Syed Anser Imam graduated in 2010 and did his Master's from the University of Houston in Civil Engineering in 2013. My only daughter got her bachelor's from Sir Syed University in Computer Engineering in 2005.

I highly appreciate the great work done by Mr. Abul Kalam for raising the standard of the University during his tenure. Having worked on prestigious construction projects within Pakistan and Abu Dhabi, I have also made sincere efforts after 1994 through our company INTEG to strengthen the relatively new concept of Project Management in Pakistan. The students of NED University also regularly attended internship programmes conducted annually by us.

The NED alumni have a unique bond of love and affinity all over the globe. They help each other professionally as well as socially. NED alumni have made a mark through their conduct and professionalism. They have made significant contributions to the development of Pakistan, the Middle East countries, and North America and Canada.

I wish to see NED University develop as one of the top universities globally by upgrading its educational standards in line with the developed world and hope that public and private institutions will provide all the required resources to achieve this goal. I also wish the new entrants to achieve their goal and maintain the great traditions of NED University in their careers.

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Mohammad Nusrat Saeed

Batch: 1963-64
Degree: B.E
Discipline: Mechanical Engineering
Organization: CanGulf Engineering
Designation: Managing Director
Past Organizations Fuel Controller, Abu Dhabi Water & Electric Company; Deputy General Manager, Peoples Steel Mill, Pakistan



As I look back, it was 1963, when practically all my classmates and I joined NED Engineering College to become engineers; I only opted for Mechanical engineering. The rest of them took Civil Engineering (the most sought after) and Electrical Engineering. The next four years were one of the most enjoyable periods of my life. The studies, the activities, the elections, the sports, interaction with the learned lecturers and professors, friends helping each other, the theory and practicals developed my



personality and has been the hallmark of my career and my life. Even today, friendships developed in NED College remained a special part of my life. Memories and friends remain- as time moves on.

Before joining NED College, we always used to question, what is the purpose of all the learning sciences and mathematics. After joining NED, and we got our answers. As I age, I tend to forget so many things, but how can I forget Prof Dr. M. Ibrahim (HO Mech Dept), Engr Elahi Bux Soomro, Our Principal, Prof Anwer Chaudhary (HO Mech), Dr. Jameel Ahmed Khan (HO Mech), Dr. Mir Asad Ali (External), Prof FG Khan, Engr Wahab Siddiqui, and so many others who gave us so much to develop our careers.

Those years at NED molded me as a practical person, profoundly affected me, respected my teachers and trainers, and developed a very optimistic outlook in all situations.

I have always looked for newer ideas, innovations; my thinking goes to the positive side of an issue and problem solving, trying to find economical, time-saving, and appropriate solutions for all the problems I have faced in my carrier and work.

I was also a very active sportsman and remained a member of the Table tennis (TT) and Badminton teams of DJ Sc college earlier and the NED College. I was Captain of the NED TT (66-67) team and the University of Karachi's Team (66-67), winning the Inter-Collegiate Titles.

Later under the guidance of Prof. Anwer Chaudhary, I also looked after the sports activities of NED for the year 1967-68 as his representative. He was a fantastic personality. Some academics may not agree with that, but for me, he was a fantastic sportsman, a human, an administrator, and a visionary in many fields. It takes all kinds of people to make this world a place to live in.

I can never forget the day I got the result of passing the final BE exam in Oct 1967. I went around the college and met our teachers, professors, and classmates. I saw Prof Anwer Chaudhary; he was officiating as Head of Mech dept. I talked to him; suddenly, he asked me: -Would you like to teach at NED? I was shocked; I said I am a fresh BE only. He said I needed help. I am short of Staff just now. I just looked at him and said I would do it if you guide and help me, and you know what he did; he handed me his register /file said there is my Engineering Drawing class in the drawing hall upstairs FE. Please go and take it. Flabbergasted, I had no choice. So I took the register, went upstairs to the classroom & started my career teaching. As I look back, that class I took was a milestone, a wonderful experience that dealing with a class of 50 students first-ever time may have changed my whole life at this age.

Later he asked me to take Nuclear Engineering classes for Final Year BE (Mech) and Metallurgy for third year Engineering. So, I took these subjects for the whole year. But unfortunately, no permanent staff was available at this juncture.

People will say how could I do that, as a fresh BE. But at that time, the issue was different; we were only the second batch of 4 years BE- Courses to go through the newer subjects, such as Gas Dynamics, Nuclear Engineering, Lubrication, Metallurgy & some other subjects. All these subjects were taken and lectured by external Visiting Lecturers. NED did not have the required Staff. It was not available. But development had to continue. KANNUP Nuclear Power station in Karachi





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started in 1968-69. Its development started in 1963. Fantastic determined people did this with vision against all odds.

When I look back, at least our visionary pioneers started these subjects, whatever way it could be done. For my preparation of lectures in the required subjects, I had to do so much study and research to get info and papers not easily available. I had to contact so many engineers and scientists from PAEC and KANNUP whom I used to arrange for as visiting lecturers. It was not easy to Lecture Final Year NED students. Our students arranged many visits to visit the KANNUP plant during its construction.

This experience gave the unbelievable confidence later in all my dealings as a professional to take up any challenge, dealing with all kinds of people, trying to understand the views of others, the ability to transfer knowledge. Understanding the importance of why knowledge should always be transferred and not hidden, helping others always without any wants.

I got the chance of going to Liverpool, UK, for my Masters in 1971-1972 in Power Plants and related studies; believe me, as I joined the course after leaving NED in 1967, I felt I am just continuing my education seamlessly at NED at a higher level. The subjects Advanced Gas Dynamics, Advanced Fluid Mechanics, Internal Combustion Engines, Power generation and Propulsion. All became so easy because of what I had been through in NED because of some extraordinary lecturers, teachers, professors, and visiting faculty like Dr. Mir Asad Ali.

I am grateful to NED University for asking me to write my NED story. I visited NED Campus last during the 50-year NEDians 1967, talked with so many learned teachers and professors, and the Vice-Chancellor. I loved my visit. I was very happy to see so many students and the atmosphere. I like the 3D Printing facilities and the work. It is heartening to see the videos about NED by the young engineers and contributors on YouTube. I had a remarkable career and did wish all the newcomers the same.

NED is set in Karachi. It can immensely contribute to Karachi's pressing issues through its human resource and knowledge outposts. May be an institute within NED can be established to develop this idea and make it a reality. Urban management, coastal areas development, environmental issues, challenging locations such as Layari and many other challenges can be taken up as topics of exploration and contributories.

On a lighter note, I comment: As you enter the NED campus, I feel something is missing. I feel the façade of NED buildings should have uniform design criteria and colour (e.g. Use DJ and Old Campus Stone and Color combination in all your buildings). Use your architects, or ask for suggestions in a Design competition. By the grace of Allah, NED University has a continuous bright future and all the success.



Noor Ahmed Chowdhry

Batch: 1966-67
Degree: B.E
Discipline: Civil Engineering
Organization: Unique Engineering Consultants
Position: Chief Executive Officer



The atmosphere of NED was devoid of prejudices of all kinds. Being a Punjabi, I never spoke my native language. Even with my very close friend Engr. Nadir Mazhar who was my classmate from DJ, who I later realized was Punjabi, we never spoke in our mother tongue. Another friend of mine, Engr. Zaheer Baig, a Hyderabad (was far away from any prejudice too. There were also Hindus and Parsis in our class but we used to treat all equally. My list of peers cannot be done justice if I do not mention the gem of a man, Engr. Sajid Zaidi. He seemed very innocent but, on the inside, he was full of wit. He was an inspiration to me. Engineer Jamila Salahuddin and Muqtadir were the people who always smiled at others and made the environment pleasant indeed. Engineers like Ghous Munir, Qasim Rizvi, and Zaheer Qadri (late) were very lively and made the atmosphere very conducive to enjoy while learning. The professors who taught us were also very proficient and just. I cherished all these memories and will keep them till the end of my life.

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Mohammad Rashid Yousuf

Batch: 1969
Degree: B.E
Discipline: Electrical Engineering
Organization: HOUSTON-NEDA



1970 was memorable for me because I was the editor of NED College Magazine (English Section) along with Engr. Shah Jamshed Jami. We worked diligently, from collecting materials to typesetting to procuring paper and cover design, all the way to actual printing and distribution. In addition, we made sure to deliver copies to other colleges and the University of Karachi. Prior to joining NED, I had the experience of being the Magazine Editor for the Adamjee Science College Annual Magazine in 1968.

The third-year tour of Electrical Installations all over Pakistan in 1973 opened my eyes to the profession, which I never practiced except for a short year (1975). York University in Toronto offered me a scholarship for my MBA, which I attribute to divine intervention. My return to Karachi coincided with the Gen Zia takeover, and I got a job in Finance at NRL-PERAC. This did not last too long because a green card beckoned me to Houston, Texas. But I had to make a trip to Rawalpindi for my wedding, attended by my NED class-fellows Maj. M.A. Javed and Engr. Shafqat Akhund.

NED taught me to study and pass tests. The CPA exam was a piece of cake. And I have been practising as a Certified Public Accountant for the past 38 years. My children have families and reside in Houston, not far from me and Rashida's retired school teacher.

The Almighty has blessed this Institution and me specifically for allowing me to be a part of it. The first NED Alumni Convention in the USA was in Houston in 2005, and I was in the Committee of organizers. Currently, I serve on the Board of the NED Alumni Endowment Fund.

I wish and pray for the continued success of NED University.

NED creates bonds that sustain through life and transcend borders and graduation year. There is instant kinship whenever and wherever a NED Grad meets a fellow NEDian.

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Dr. Mahnaz Fatima

Batch: 1971-1972
Degree: B.E
Discipline: Mechanical Engineering
Organization: IBA Karachi
Position: Retired Professor & Visiting Faculty



I had joined NED in 1971. My prime interest was in astronautics. However, I knew that I could not get anywhere near it in Pakistan. So, I opted for mechanical engineering, hoping to provide impetus to research and development. As a group, we pioneered the development of dual-fuel systems in spark-ignition engines. The group that led was one year senior, and their focus was CNG/gasoline. Ours' was LPG/gasoline. These final year engineering projects were completed with the then Chair, Mechanical Department, Dr. Jameel Ahmad Khan.

The CNG group pursued their project further and tried to incorporate it into public policy. Unfortunately, they could go only as far as the construction of one CNG station. The group disbanded, indicating how difficult it is to incorporate new ideas into public policy. Several decades later, though, conversion kits would become the latest fad as the policymakers encouraged to switch to CNG. Even this would not work out now because of CNG shortages. So much for vision and strategic planning in the country.

My conclusion was that unless the institutions are engineered, and society is engineered to work in the direction, no branch of science and technology can find decent expression in the country.

I was becoming policy-driven. After graduation, my first job was as a development engineer and later production DM in a 4-wheel drive assembly-cum-manufacturing plant. The deletion program failed as the principal would change models frequently for which the plant would not be prepared, and our deletion efforts would fail. The plant's attempt to run the 4-wheel drive on diesel because of the energy crisis failed as the principal, and the holding corporation would not allow it. They

launched a diesel with great fanfare, though soon after that. This strategic confusion/disarray was mindboggling.

In the hope of a possible better contribution and understanding, I joined an MBA programme.

Institutional engineering, I thought, was a prerequisite for the execution of all branches of science and technology in the country. My horizon broadened as I moved from one manufacturing unit to an industry and then to many industries that I studied as a part of my management consultancy assignments. I was now equipped to study public policy.

In 1989, I went for my Ph.D programme in the US, specializing in strategic management, comparative national development, public policy, and public administration. I returned in 1992 and moved further back into academia, hoping that some in the upcoming generations might be able to do what we could not. They might set the house in order and streamline everything we failed in. Development effort continued unabated, albeit at a different level.

All that kept me going were the analytical skills honed at NED and the T-type people they developed. The vertical stroke signifies intensified learning in one’s area of emphasis, and the horizontal stroke indicates diversification of skills. NED thus imparts a unique treasure of skills difficult to acquire elsewhere.

Muhammad Shoaib Pasha

Batch:	1973-74
Degree:	B.E
Discipline:	Mechanical Engineering
Organization:	Insight Consulting & Training
Position:	Founder & Lead Consultant / Trainer
Past Organizations:	CEO & MD, Millat Tractors Limited; Technical Director, Global Manufacturing & Supply, GSK; Supply Chain Director, Coca-Cola Pakistan Limited; Operations Director, Haleeb Foods Limited; Supply Director, Reckitt Benckiser West Asia



My late father wasn’t an engineer by education, but I have yet to come across someone as technically oriented as him. Seeing and assisting him at home, I developed a lot of interest in engineering and decided that I wanted to be an engineer and where else to go except NED! So I intermediated from DJ Science College and became familiar with NED Engineering College, the next-door neighbor.

In those days, there were only 190 seats for Karachiites at NED and having a high percentage in the intermediate exams; I got admission in NED without any hassle. We studied at the old campus, as it came to be known later, till into our second year, and then the classes shifted to the current main campus. However, we still used to go to the old campus one day a week for “practical” in half a century old “shop”!



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The teaching and quality of teachers were all good in the first year. Still, in the next three years, it was a mix of no teachers for some subjects for months, primarily theoretical teaching from the regular faculty, and some good insight about industry practices from the visiting faculty. The positive aspect was that I learned to be self-reliant, and this one single attribute stood me in good stead throughout my 40-years career.

The student union and its activities positively impacted campus life, and it has produced quite a few people who are now in the national political mainstream.

The brand, 'NED,' added a lot of weight to my resume as it was considered a premier institution for engineering education, both nationally and globally. That meant an above-average acceptance in the job market.

I have had a corporate career of 34 years with the top-notch MNCs and national organizations in Pakistan and have occupied very senior positions. I am the most experienced proponent of Supply Chain in Pakistan, as my organization adopted the concept way back in 1995. Moreover, senior people in the industry consider me as a Supply Chain 'guru.'

Comparing the education in my days with the current time, I do not doubt that the infrastructure and facilities at NED are much better now, but regrettably the quality of the output isn't the same. NED graduates do not fare well compared to graduates from other engineering institutions of the country.

My humble opinion is that there needs to be a much greater emphasis on the practical side of engineering than the theoretical side. There should be far greater coordination between the university and the industry. Students should be spending more time out in the field through internships. Final year projects should be actual industrial projects, and the success should depend on their implementation.

NEDians, who have distinguished themselves in the field, should be requested to give their time to the alma mater and help to produce the new generations of illustrious engineers. Now, competition is cut-throat, and the gap between NED and others has closed. I would advise the students to focus on self-development and not to be dependent on the University. In this age of information explosion, it is far easier. It just needs the will and the effort.

It is undoubtedly an exhilarating feeling to realize that my alma mater has been producing top-notch engineers for hundred years. My deepest gratitude to the founders of this noble institution. They were visionaries!

Times have changed, and now all of us need to put our heads together in charting out a new vision and a new strategy that will see our beloved NED stand out for the next hundred years!

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Dr. Zubair Ahmed

Batch:	1973
Degree:	B.E
Discipline:	Civil Engineering
Organization:	Baggia & Associates
Designation:	Director
Past Organizations:	NED University of Engineering & Technology – Lecturer to Professor of Civil Engineering; General Authority of Civil Aviation, Saudi Arabia – Civil Engineering Expert Various firms, Canada – Senior Project Manager/Senior Pavement Engineer; NED Alumni Association Canada (NEDAC) – Founding Member and First President



Foremost as a student, later on as a faculty member and a resident of staff colony, and finally as an Alumni, I have had the privilege of being associated with NED University for more than four decades. The teachers there were like fatherly figures from whom we learned the basic principles of engineering both in theory and hands-on application. I was also involved in social activities such as being the class representative during Third Year and Final Year and being the House Monitor and Mess Manager of the then J-1 Hostel. This allowed me to interact socially with classmates and other students irrespective of caste and creed. I fondly recall the 20-day study tour of Pakistan, which allowed us to visit the beautiful landscape all over Pakistan and the fun we had travelling on the trains as a group of youngsters and developing long-lasting friendships. The curtailment of study tours and inter and intra university student activities later on resulted in a negative impact on human interaction and social behavior.

As a faculty member, an open-door policy was practiced for my students to provide and transfer up-to-date knowledge in the subject areas both at undergraduate and graduate levels. My belief and advice to young faculty members are to concentrate on providing learner-centered education and act as instructors rather than teachers. There is no substitute for one-to-one interaction. It gives me immense satisfaction to see my former students occupying high academic and professional positions in Pakistan and abroad.

Today, whatever I have achieved professionally and in making me a better person, it is because of the educational and social opportunities provided to me by my alma mater and for which I will always remain indebted. As NED University celebrates its centennial, I wish my alma mater continued success and always remain the standard-bearer for engineering education in Pakistan.

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Syed Shujaat Hussain Hashmi

Batch: 1974
Degree: B.E
Discipline: Civil Engineering



I graduated in 1979, and went to Saudi Arabia in 1984, worked 31 years in multiple reputable firms as a structural engineer. It was an excellent experience for me. I undertook significant projects in Haram, Makkah.

Many students, who got admission from underdeveloped areas of the country, had very limited knowledge. Once a boy only passed in one subject out of nine. His friends when consoled him, his reply was quite humorous. He was surprised to pass a single exam; he expected to fail all exams.

During my time at the university, many of the lecturers and teachers were heavily involved in politics. For example, during one of the elections, the students were encouraged to fire the cars and attempt arson. These were common practices in those days. I still remember that the syllabus taught was about 50 years old. Teachers were teaching electrical and mechanical in the civil department. When I got my admission in 1974 and entered the mechanical lab, an old lathe machine operated by hand instead of electricity. Teachers adopted old methods of teaching, which were based heavily on notes. Unfortunately, we had no practical labs in the old campus and still in the new campus. Due to this, we were only theoretical engineers.

My best memories are from the time I was in my hostel. Most of the students studied at night. Sometimes, I helped the students as I was a position holder. Students in the hostels were friendly, but the majority were not so keen.

No matter my experiences, I still feel strongly about this institution. NED has achieved a lot over the 100 years by educating thousands of students. This institution is the Cambridge of Pakistan.

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Syed Muhammad Irfan

Batch: 1976
Degree: B.E, M.E
Discipline: Civil Engineering
 Industrial Manufacturing
Organization: NED University of Engineering & Technology
Designation: Ex-Associate Professor



In a way, it was a privilege to begin my NED journey with the formal inauguration of the New Campus in May 1976. The transition from college to campus life was overwhelming, almost like saying goodbye to the boy I was and saying welcome to the man I would become. Yet, it kept getting exciting, enlightening, and endearing!



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The university was modest in size with just three departments, i.e., Civil, Mechanical and Electrical, in place. However, the architectural layout of the campus weaved the different streams into a unified and vibrant entity, much of which spirit would orchestrate within the fountain precincts. The open corridors, particularly within the Civil Engineering Department, ensured an abundance of open spaces that offered unrestricted movement, rendering the aggregate student population characteristic of a small social community relatively divorced from the compulsions of a regimented order of line and staff. Nonetheless, his casual ownership of campus life did not in any way disparage the sanctity of the Alma Mater in terms of allegiance to its code of conduct and academic integrity.

We were privileged to be taught by some brilliant and committed faculty. Of course, the University was not resourceful enough to encourage extensive research for the faculty, nor the socio-economic environment of the times demanded such investments. However, our teachers did their best, and it is no surprise that decades later, most graduates from those days ended up as privileged and eminent professionals in their respective fields.

The action on the fringes was a remarkable potpourri of extra-curricular activities incited by all the youthful exuberance one can imagine. Musical events, literary and debating contests, mushairas and bait baazi, the firepower of student politics, cricket tournaments, and the Annual Functions. I remember so many celebrities gracing our cultural events: Tariq Aziz, Rahat, and Saira Kazmi, Javed Sheikh, Zaheer Abbas, Haseena Moin, Azra Sherwani, Alamgir, and of course, our very own Mohammad Ali Shekhi.

The time spent at NED was fabulous, and it is difficult to recount all that dispassionately. NED was a 'home away from home. The parting was painful, but the memories have survived, and I have gone the extra yard in preserving all those in my memoir, "Shadows of the Rainbow", published in 2019.

It is a moment of privilege and history that I am witnessing the Centenary of NED University of Engineering & Technology and being asked to comment. The vicissitudes of time nor the cultural evolution have denigrated the stature of this great institution. From a college to a university within the first fifty years represents a somewhat stunted growth. Still, it seemed consistent with the socio-political dynamics of the pre-and post-partition period. In the next half a century, however, NED has grown from just three disciplines to twenty-seven fully contained departments, and it now boasts more than 100 Ph.D faculty members. I am sure that the centennial celebrations will not only echo the collective pride of NED graduates but will also be a harbinger of hope and glory for the institution in all the years to follow.

Graduating from NED University of Engineering & Technology is a matter of academic excellence and social privilege. I urge the prospective graduating students of NED to be mindful of this reality and make the most of their academic tenure while being there. "The scientist explores what is — the engineer creates what is not," remarked Dr. Theodore Von Karman. This makes the engineer's role vital in sustaining technological evolution and the physical infrastructure. But, remember, you have to live up to it!

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Neelofar Hameed

Batch: 1976-77
Degree: B.E
Discipline: Mechanical Engineering
Organization: Habib Bank Limited
Designation: Company Secretary



The time spent at NED University was one of the best time of my life indeed. I am proud to be a second-generation NEDian; my father graduated from NED as a Mechanical/ Electrical Engineer in 1956, followed by myself and my two brothers' decades later.

Our batch was the first one admitted to the newly built NED Engineering College Campus. Having studied in an all-girls college (St. Joseph's), let me confess, I was a bit confused on my first visit to NED; however, as I entered the campus, I was totally in awe by the beautiful and expansive buildings, long corridors, and a bit surprised by the way the senior students helped and guided the girls to the lecture theatre for orientation of first-year students.

My years in NED proved to be formative, as I learned the analytical approach to solving issues, which has helped me in all aspects of my professional and personal life. The total strength of students (all four classes) when we joined in 1976 was about 2000, while the number of girls was only 26, out of which 8 of us girls were in FE. The NED culture and values were ideally suited for any student who wanted to gain knowledge and participate in extracurricular activities like social society, publication society, art society, etc. Taking full advantage of this environment, my focus was learning and getting excellent grades and participating in almost all extracurricular activities. The teachers were extremely learned and always willing to provide guidance. Unfortunately, few of them, like Dr. Firasat, Dr. Muzaffar Mahmood, Dr. Makhdoomi, Dr. Alvi, Dr. Jameel Ahmed Khan, Dr. N T Mirza, Mr. Nauman, Mr. Afaq Ahmed, and many more, left their permanent impression to seek more knowledge, to think analytically and to solve issues which have helped me to strive for my professional goals; I am and would always remain grateful to all my teachers.

When I started my professional career in development finance in 1983, my training at NED guided me to diversify towards finance and banking, corporate law etc. Subsequently, I became more interested in corporate governance and specialized as a Corporate Secretary, which is my core professional focus. I am also proud to be a certified Director by IFC/ Risk Metrix USA and a Master Trainer and Mediator certified by CEDR UK. Presently I have been the Company Secretary Habib Bank Ltd for the last three years; my previous roles included Director Strategic Corporate Affairs and Corporate Secretary at SBP BSC, Group Company Secretary of IIL and ISL, NIT, IDBP, and PICG.

Pursing my passion as a trainer, I am also a visiting faculty at PICG, training Directors and Senior Executives in Board Development and CG Leadership. Additionally, I have delivered training, seminars, and conferences related to corporate governance, Dispute Resolution, and Mediation.

I am much grateful to Allah, my parents, and the Alma mater NED that I was conferred the **Life Time Achievement Award** in Banking & Finance by the Institution of Engineers Pakistan in 2019.

Moreover, I have been actively engaged at the Institution of Engineers Pakistan (IEP) for many years as a member of the Central Council. I would continue to follow my dream to serve the people of Pakistan, especially engineers.

For me, the quote of life, which has always kept me motivated, is “*The Pessimist Sees Difficulty In Every Opportunity. The Optimist Sees Opportunity In Every Difficulty.*” – *Winston Churchill*. Whatever I am today, a significant contribution is undoubtedly due to the NED experience, which educated me and enhanced my confidence and trained me to think analytically with an unquenchable thirst to seek more and more knowledge.

My message for the students and young engineers is to keep the fire in their hearts ablaze to seek knowledge and strive to make the world a better place.

Shah Quarin Ahmad

Batch:	1977-78
Degree:	B.E
Discipline:	Civil Engineering
Organization:	Ministry of Transportation, Ontario
Designation:	Senior Foundations Engineer



I graduated from NED University in 1982 and migrated to Canada in the same year. I could not revisit NED in almost 40 years. As a son adores his mother, I am emotionally connected with my alma mater. Occasionally, I watch the university campus on Google Earth. I see the place that once saw my youth. I have written several poems on NED. I think every brick in the university building, the landmarks, the auditorium, and the water tower remember me. They must be wondering where I am and how I am doing. They must be missing me.

In Canada, I worked in the private sector for eight years, and then for the last 32 years, I have been working with the Ontario Ministry of Transportation (MTO) as a Senior Foundations Engineer. I specialize in complex Foundation Design of bridges and highways in challenging terrains. In addition, I closely work with the US Department of Transportation (DOT). I give full credit to my alma matter NED for my engineering achievements.

There are many renowned and highly ranked engineering universities in the world. We know what the ranking criteria are. There is a phrase “winning the race before it even starts”. Our NED falls into that category. One of the most important things is to see the achievements of an institute. During my time at NED, there were only three disciplines and a few hundred students. Now, there are twenty seven departments and more than 4000 students. NED provides unique teaching and learning environment. When I was there, the professors were



respected for their qualifications and positions and because of our traditional teacher and student relationship.

Similarly, senior students were respected by junior students and the seniors voluntarily taught to the junior students. The professors who taught us were highly qualified. They were all foreign-educated. Because of their teaching, their students outshined everyone everywhere in the world. As a result, the NED University is recognized globally. Some time ago, I wrote a verse to praise NED and read in a NED Alumni gathering:

میشک کو خوشبو عطاء کی جس پہ ہیں سارے فدا
بات این ای ڈی کی لیکن بات ہے سب سے جدا
ہیں بنائے گل معطر تونے لیکن اے خدا
یہ بجا کہ باروڈ اور آکسفرڈ کے نام ہیں

I am in contact with most of my NED colleagues in the US, Canada, and Pakistan. Few of my class fellows are Aftab Siddiqui - Member of Parliament; Dr. Hasan Sohaib Murad (late) President and founder of UMT; Altaf Shakoor - Founder of Pasban Democratic Party; Misbahuddin Farid (late) - MD of Karachi Water and Sewerage Board, and Ahmed Farooq Bazai, Vice-Chancellor of the Balochistan University of Engineering.

Music has lived in me since my childhood. During my college and university time, I could not give time to the music. I started learning classical music with an Indian Pandit, Narendra Datar, and Sohail Rana Sahib of Pakistan when I came to Canada. Details of my music journey are given on my website (nawaesarosh.ca). I am writing a book on music which is near completion. That book will include my inventions in music. I sing Ghazals, Geets, and Sufiana Kalams professionally for large gatherings. People in the fine art circle know me as NEDian.

I am interested in Urdu literature and write Urdu articles and poetry. In addition, I write, compose and sing my songs. For example, I wrote a song for NED, composed it, and sang in a NEDAC get-together. That will soon be available on YouTube.

I have one daughter Dr. Shahla Ahmad. She was born in Canada, but she has heard a lot about NED. She wants to visit NED one day to see where her father calls his mother.

My NED University Centenary Message: We have entered into the fourth Industrial Revolution (called Digital Revolution) era. We should focus on electronics, information technology, and digital technology and apply them in all engineering disciplines. To compete in the fast-changing world, we must excel in it. Also, the focus should be given to innovations. More practical experience should be provided to students with theoretical teaching. My discussion on Digital Revolution is on YouTube.

quarinahmad@yahoo.ca,

Website: nawaesarosh.ca; YouTube: Shah Quarin Ahmad





Naila Jafri Malick

Batch: 1980
Degree: B.E
Discipline: Civil Engineering.
Organization: Total Parco Pakistan Limited.
Designation: Vice President, Corporate.



NED symbolizes the start of a learning journey for me. Not just academics but a lot more in terms of intrinsic growth, understanding of human behaviors, especially under stress, and understanding of partnerships. In a nutshell, NED remains a place where one gets trained to step confidently into the outside world.

Engineers trained from NED have been instrumental in the progress of Pakistan and many countries worldwide. I am proud to be associated with this noble university. I would say that it has been 100 years of successful contribution of achievements worldwide by NEDians. I pray that it continues to amplify. May the NED emblem shine even brighter with breakthrough achievements by NEDians in the years to come! Always be sincere to yourself, personally and professionally. Share your learnings as you move on to light up the path for others.

Teaching standards at our time were pretty basic. I can recall only some teachers were good in their teaching methods, while others followed ancient methods (even at that time). Social activities organized by the student unions used to get managed quite professionally. However, sometimes a few over-ambitious students would try to undermine the efforts of the Ruling Union. Inter-university engagement activities were well done and drew in exceptional interest. Movies in the auditorium were a treat to watch. However, my classmates who were not interested in academics turned out to be very successful in their lives. In contrast, the meritorious students did not seem to shine that brightly, professionally.

Many stories share about my class, but some of my classmates are well placed now, holding pretty prominent portfolios. It would not be appropriate to quote real-life anecdotes of activities during the NED timeline. We learned the 'Team Spirit' through projects and by expressing solidarity by staying out of classes together and enjoying the learning journey as time went by.

Campus life looked much more balanced at that time than what I see nowadays. Some areas of education have not changed till now, and it seems to be more emphasis on theoretical knowledge. The practical aspects of learning are still undiscovered in the academic curriculum. Therefore, I want to tell the newcomers to NED to; Believe in themselves and use this time to understand the fine points of life. Understand the concept of whatever is being taught, question every theory put forward until it is clear. You will never remember all those formulas in your practical life. However, if your concepts are clear, you will always have the edge over others. Your knowledge will always be your weapon. Focus on your presentation and communication skills, as this is an area where engineers lack. Even though engineers remain technically sound, others take the honour due to this gap. Last but not least, the learning journey never ends. The quest for knowledge should always remain alive to be successful in life.

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Syed Sajjid Ali

Batch: 1980-81
Degree: B.E
Discipline: Electrical Engineering
Organization: K-Electric (KESC)



This opportunity is a privilege to share my golden memories with you for the next edition of the year 2021...!

Our era was a golden time when president GEN. Zia-ul-Haq increased 100 more seats for engineers. At that time, active student unions and many small linguistic groups added to the colorful activities from games, politics, student gatherings, and the competitive academic era.

Dr. Shahid Hafeez Mirza was our project in charge, who guided us to formulate a data acquisition and control system for the then KESC, funded by their director Mr. Khauja Khusro.

Consequently, this work helped us enter into KESC as an enormous batch of 150 engineers in a year through proper entry competitive test.

I recall a memorable incident when some student organization damaged the car of Mr. Kavi Qazi (our dean). Later he withheld the results of his subject, and the students were finding themselves unable to appear in the entry test of KESC. Later, five students named Akram Siddiqui, Qazi Nisar, Muhammad Saleem (late), Rifat Ullah khan, and the undersigned pursued this issue from the provincial assembly Sindh and the education department. Finally, with the learned vice-chancellor Mr. A.T khan, who gave us the result of 8th semester based on the performance of the last seven semesters, we got accepted by the kind principal of KESC training centre Mr. Tirmizi who provisionally allowed us to sit into the exam conducted in December 1985. Later, when our result was announced in January 1986 thus with the blessing of almighty Allah, we were given jobs in KESC as assistant executive engineers (BPS-17).

The undersigned Joined KESC in 1986 (Currently K- Electric) & served this institution in different capacities, working as Electrical Consultant (Al-Syed Engineering Enterprises) since 2010. We have been dealing with complete planning and design, Load feasibilities & Complete implementation of industrial, Multi- Storied & Housing Schemes in Toto.

Today I have completed more than 50 such projects in different areas of Karachi like Ocean Tower (Clifton), Siddiq Son's industries in the Site area & Hub Chowki, Sporty Enterprises, FML, Punjabi. Sodagran & Halari Memon Societies.

Note: We, the electrical batch 1980-81, remained in contact with each other through Whatsapp group and feel good to share the old memories around 35 years back which was an excellent time of Karachi city.

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Yousuf Ali Mahmood

Batch: 1981-82
Degree: B.E
Discipline: Mechanical Engineering
Organization: GEMS International Trading
Designation: CEO



My admission to NED University was my mother's dream come true. She wanted me to become a Mechanical Engineer from NED University. It was my third attempt when I finally got admission to this university. As the saying goes, "If at first, you don't succeed, try again". In the first attempt, I was denied my admission because those who had completed the NCC training got twenty additional marks. Therefore, I had to remain content with what I scored in the intermediate examination. I completed NCC training during the first year of my B.Sc. studies, at KU but again, I was denied admission on the ground that NCC marks were to be counted with the programme during which it was undertaken. Eventually, the third attempt with a B.Sc. degree saw me through. My mother's prayers finally got answered, and the experiential learning thus started with my admission to NED University.

The first semester was a combination of fun, entertainment, and of course, studies. It was monsoon season when the class representatives and students' union elections were held; the two major student parties at NED were too kind and compassionate in fulfilling the newcomers, almost weekly demand of bus refreshments for a half-day picnic. The first four semesters commenced and were completed on time. Studies combined with picnics, students' week activities, annual function, film week, CR, and students' union activities and elections went smoothly. Unfortunately, after our return from the Pakistan Industrial Tour, the law-and-order situation deteriorated inside and outside the campus. Firstly, it was a nationwide ban on the students' union activities. Secondly, the ethnic and sectarian violence in the city forced the last four semesters to be completed in four years. For the majority, this delay in completing our degree programme was a nightmare, but there were those few happy-go-lucky guys who knew that those were the days that were meant to be enjoyed, the days that I would miss forever.

The Mechanical engineering department was considered the most disciplined with a higher standard of education than the other departments, i.e., civil and electrical. Thanks to the dictatorial or authoritative management style of Dr. Ing. Jameel Ahmed Khan, nicknamed Jimmy Terror by the students, such was his terror that we used to call his assistant Jamal Akhtar as Dr. Jamal jokingly. We were lucky enough to be taught by Dr. Firasat Ali Khan, Dr. Muzaffar Mahmood, Dr. Afzal Ahmed, Dr. Hassan Imam, Dr. Khurshid Mahmood, Dr. Nazimuddin, Dr. Shams, Dr. N. T. Mirza, Dr. Affan Saljooq, Ms. Seema Jalil, Ms. Neelofar Master, Ms. Masooma and others. Dr. Muzaffar Mahmood and Dr. Khurshid Mahmood were the all-time favorites.

During the third semester's practical examination, we saw through a glass window that a desktop computer was placed in the Solid Mechanics lab for the first time. No student was allowed to enter that room. Nobody knew that within a few years, this gadget would be in the pocket of every NEDian.



The journey started in July 1981 and ended in September 1987. I graduated from my alma mater as per my mother's wish and became a professional mechanical engineer. However, it was not until 1999 that my second journey commenced. This time I came back as a visiting faculty member. To date, I am trying my best to return to the students of my alma mater what it has gifted me: knowledge, wisdom, discipline, integrity, ethics, and the list goes on and on.

Thank you, Amma, and thank you, NED!

During a visit to NASA, US President John F. Kennedy introduced himself to a janitor mopping the floor and asked him what he did at NASA. "I'm helping put a man on the moon!"

Congratulations to every person who has made NED what it is today, right from the very first year to this 100th year. Long Live NED!

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Syed Asif Ijaz

Batch:	1982-83
Degree:	B.E
Discipline:	Electrical Engineering
Organization:	Roostify
Designation:	Chief Customer and Delivery Officer



NED University has been and continues to be a significant source of personal pride and pride for my parents and family. There are so many great memories from my time at NED, and among those, the best is the friendships we built and have been cultivating over the years. It is also worth noting, our teachers worked very hard, in turn making us very hard, long nights, but looking back now, it was all worth it. The quality of education from NED opened numerous doors for me, and I can never thank you enough.

I am incredibly thankful to NED, my teachers, and my batch mates for a wonderful once-in-a-lifetime gift. There is joy and immediate connection when I meet someone randomly and hear, "I graduated from NED."

NED has grown much larger than the time I attended NED. It gives me great joy to see the ongoing expansion of disciplines and advanced degree programmes. I want to congratulate NED on this milestone, a century of producing high-quality engineers that have gone on to build great things all over the world, carrying NED's name with them.

NED is well-suited to reach greater heights in the coming years, and I will be closely watching its success. NED has been instrumental in my professional success, and this is something that stays with you forever. I am a proud NEDian, and if you are currently a student at NED or plan to attend soon, know that you will be like me and thousands of others, a proud NEDian for life.
CONGRATULATIONS NED!!

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Syed Iqbal Hashmi

Batch: 1982-83
Degree: B.E
Discipline: Mechanical Engineering
Organization: NED University
Designation: Visiting Faculty
Past Organizations: CEO, SKF Pakistan



I was accepted for BE Mechanical Engineering at NED in 1982, five years after NED was granted the status of a university moved to the newly built campus that exists today. There were only three disciplines with intense competition between students striving to be a part of this prestigious institute.

My involvement and affiliation with my alma mater grew with time, and I am proud to have actively made contributions to date and will continue to do so. I was keenly involved in curriculum development and teaching when the first MS programme was introduced in Civil Department back in 2004. I have recently been working with NED Academy and Center for Continuing Engineering Education to develop PGD curricula, short professional courses, and certification programmes. All these programmes aim to add professional value to achieve performance excellence leading to career growth. This gives me utmost satisfaction that I am still associated with the University, which taught me professional skills of great value, the competitiveness of maximum level, and integrity beyond compromise.

After getting a degree in Mechanical Engineering back in 1988, I later did MBA from IBA with the highest GPA. This combination provided me with an opportunity to excel in commercial organizations while pursuing new business ventures. In a career spanning more than thirty years, I worked in top positions in local and multinational organizations almost for two decades.

While working as General Manager – Projects in a JV company of Emirates Group in Pakistan, I brought Costa Coffee Franchise in Pakistan. Establishing a coffee business in Pakistan was no less than a formidable challenge, particularly when an adequate supply chain was also non-existent. Nevertheless, Costa Coffee was hugely successful in Pakistan, and it paved the way for an entirely new business avenue in Pakistan. Unfortunately, Costa pulled out from Pakistan in 2008 due to the poor law and order situation prevalent. I was also awarded as “Leadership Excellence Award” for my outstanding contribution to business in 2007.

I also joined the number one bearing company of the world, SKF, in Pakistan as the first Pakistani CEO in 2008 and served for five years on this position and received “Global Excellence Award” in 2012 from SKF Sweden for contribution to sustainability.

My first book “Tamasha” is in print and will soon come to market.

NED University is the most prestigious and oldest engineering institution in Pakistan. When we were studying, NED was an undisputed top engineering institution of Pakistan, continually providing well-trained talent to organizations worldwide. To cope with the increasing competition,



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students, alumni, and professors should join hands with the supporting stakeholders to retain and enhance the glory of the past. Undoubtedly, a lot is being done, but still, there is room for a lot to be done.

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S. Imran Ahmed

Batch: 1983-84
Degree: B.E
Discipline: Electrical Engineering
Organization: Capgemini Canada
Designation: Senior Service Manager
Social Works: President NED Alumni Association
Canada (NEDAC) 2014-2018, Operations
Lead – NED ALEF , NED Endowment Fund



“I cherish my memories of NED days. They are priceless”

From NED college to NED University of Engineering & Technology, the sustained evolution of NED as a brand and an institution has been nothing short of phenomenal. Since its foundation in 1921, NED has transformed into one of the world's most respectable and premier institutions. Wherever they are, NED alumni make the world a better place through the academic and professional discipline instilled in them by their alma mater.

I have been fortunate to be part of NED's continued journey to excellence during 1983-1988. Those were the best days of my life. In addition to my academic pursuit, the life lessons I learned and the friendships I made have been paramount. In hindsight, every day of my university life was eventful and unforgettable. NED has given me everything I am today; a respectable professional career, wisdom, courage to deal with life challenges, and a sense of belonging to a well-knit global community.

Living in Canada for the last 20 years and working in Global 50 companies has proven that what we have learned in NED was of international standard and recognized in the corporate world in the west. I have been engaged with NED Alumni Canada for many years; NEDians have been integral to life like my extended family.

I cannot thank you enough, NED. I salute you!

Iahmed_us@yahoo.com



Ehsanullah Khan

Batch: 1984-85
Degree: B.E
Discipline: Mechanical Engineering
Organization: Pakrev2k
Designation: Founder



The ability to compete with the best that the Pakistani educational system has produced gave me the reason to believe in my God-given abilities. I know now that I can compete with the best that the global educational system produces if I try. I have worked in Silicon Valley for the past 26 years, survived the worst days of manufacturing outsourcing, and in my mid-fifties can still get multiple job offers, all because NED has given me the ability to compete with the best.

My message to the current lot of NEDians is, work hard, gain practical knowledge and prove your worth nationally and internationally. The sky is the limit. Use the opportunity that NED has given you to serve Pakistan and contribute to making Pakistan and the world a better place than you found it. As knowledge used to serve your fellow human beings is Sadqa e Jariya.

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Nazli Khan

Batch: 1984-85
Degree: B.E and M.Sc.
Discipline: Civil Engineering
Organization: WSP Canada Inc.
Designation: Senior Project Manager
Other: President NED Alumni Association Canada 2021-23



Admission to NED was my dream come true. It was my father, my inspiration, who supported my dream. I am privileged who did their Bachelor's in Civil and Masters in Structures both from the prestigious NED. Our Master's programme was the first to offer a morning session with a thesis that offered an M.Sc. degree. I remember when Dr. Sahibzada Farooq informed me that NED is starting a morning programme for Masters. I was very excited to be a part of the inaugural batch. I want to emphasize that the education at NED is on par with the international level; the proof is in me; I successfully got my engineering license and have been working in the industry for the last 21 years without any formal education in North America. Currently working as the Senior Project Manager at WSP Canada Inc., leading their Residential sector and have successfully worked on many high-rises, award-winning tall buildings in Canada, USA, U.K., and the Middle East.

NED memories are one of the best memories I have ever had, the bonds we formed helped us celebrate joy and manage grief, especially during aching incidents. Besides the obvious, studies the atmosphere at NED was great. We were also involved in many other activities, like picnics and



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social parties. Sitting in the corridors with friends eating samosas with tea are some of my fondest memories of NED times. And above all, our study tour was one of the highlights of NED days. After the fourth semester, I was one of the ten privileged girls who went on the all-Pakistan Study tour with our class fellows and teachers. We enjoyed every moment of that trip and made wonderful memories which we still joke about.

It was not only the bonds shared we cherish but also our teachers. Our teachers were not just our teachers; they were our mentors, our friends, who taught us the academics and guided us on how to live in this world with integrity. All our teachers were highly educated, devoted, humble, and sincere. Ready to help any student at any level. I am truly very thankful to such dedicated teachers who raised us to the level we are now and helped shape our lives. I remember when I came to Canada in 1997 and wanted to apply for my Professional Engineering License for which I needed to submit the course outline of my Masters' subjects which I didn't have with me. So I wrote to Dr. Sarosh Lodi, my B.E. final year project advisor and who taught us in the Master's programme. And within a few days, I got the copy of our university prospectus in the mail, which included all the projects descriptions I needed to submit. For which I will be indebted to Dr. Lodi forever.

NEDians around the globe are shining, working brilliantly at the world's topmost ranked companies. They demonstrate the quality of our university education, which has established its reputation in the last 100 years. NED has made many expansions in its departments to retain this standing, offering students much more educational variety than the humble four departments from the 80s. In addition, partnering with companies and firms to provide students with internship opportunities during their studies. The gift of experience that students can now gain with hands-on job training experience is critical in developing their professional careers and network.

NED is instilled in my life; the bond we all have due to the connection with NED is priceless. Our university gave us a lot, and now we feel it is time to return the favour to our alma mater. This was the main reason I joined the NED Alumni Association of Canada, now serving as the association's president. I call this alumni group my extended family. Through this, I have gotten many opportunities to help NEDians in one way or other, especially settling them in Canada in their field of choice.

My message to newcomers is to be honest in your profession, work hard, be confident and help each other as much as you can.

I look forward to when we are all united again under the roof of our alma mater in December to cherish the memories of our student life at NED and to celebrate the 100 years of the rich history of our beloved university. May our university continue to flourish for many centennials to come, Ameen.

Long Live NED, Long live NEDians, Long live Pakistan!!!

nazliqurrat@hotmail.com



Sadiq A. Pirani

Batch: 1987-88
Degree: B.E
Discipline: Civil Engineering
Designation: Principal Engineer + Planner + Project Manager
Organization: Engineering, Planning and Project Management Consultant, Canada



It is a great honour and pleasure to write this message as a proud alumnus of both prestigious academic institutions, D.J. Sindh Government Science College, where I had completed F.Sc. (Pre-Engineering) during its centennial year (1987) and NED University of Engineering & Technology, where I graduated with a Bachelor's degree in Civil Engineering in 1993-94.

As a student, I have numerous pleasant memories. My friends and I spent quality time together at the campus by enjoying tea, sharing the latest gossip in the cafeteria, working on assignments around the corners of the Civil Engineering departments' corridors, playing cricket on the campus ground, and commuting on shuttle (point) buses. The Casio FX-880P, a multi-functional personal pocket computer/calculator, was a modern, distinctive, and revolutionary technology we used at NED University.

This programmable device was functional to perform engineering problems analysis and calculations efficiently. I still have my unit, which was relatively helpful back then and is unquestionably a treasured possession. However, the most poignant memory I have is of the last day of final year classes on campus. We had a lot of fun mixing colors, exchanging goodies, and getting the autographs of faculty members and classmates on our shirts. They are still cherished keepsakes among the class!

What an evolution a century can bring! NEDians have earned a reputation as among the best in the world. NED University's teachers, staff, and students have shown that our quest for excellence in learning, teaching, and research has a long-term positive impact on our world. Yet, looking ahead, the future of the university remains elusive.

The strength of our connections – to all of our communities, local and global – will be critical to our ability to continue learning, finding, and contributing together. This centennial provides an opportunity to reflect on a century of accomplishments and to recommit to the goals of providing an exceptional learning environment, global citizenship, a civil and sustainable society, and a world-class research centre, all in the service of the people of Karachi, Sindh, Pakistan, and the world.

I wish the Alma Mater, NED University, another progressive and prosperous 100 years!

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Noman Husain

Batch: 1987-88
Degree: B.E
Discipline: Mechanical Engineering
Organization: TRANSFORMability | IndustryX.org
Designation: Founder | Co-Founder



It is my pleasure to write a few words in the NED Centennial edition. I am a proud graduate of Mechanical engineering and have fond memories of my time at the university. That time was one of my best life experiences.

After graduation, I moved to the USA for higher education, completing a master's in mechanical and industrial engineering from Wayne State University. I worked in manufacturing and automation companies in several leadership capacities, including business strategy, operations management, quality, and business transformation.

I can say that I am a business leader, entrepreneur, and change agent who galvanizes companies, communities, and individuals to thrive upon disruption and achieve excellence. I have developed a unique outlook on transformation with people at heart throughout my career. My philosophy is based on the principles of effectiveness and efficiency - Big Dream and the Relentless Pursuit of Excellence. I believe tools and methodologies are fixed investments, only carrying people and businesses until the market inevitably shifts again. My vision highlights a growth mindset for excellence, built on teaching, learning, and promoting innovative thought leadership.

My time at university was lots of fun. It was filled with studying for the future, learning from world-class faculty, studying with top-notch students, and enjoying a lifetime experience with best friends, thus making it a memorable time. One memory that I remember dearly was organizing a movie day for all students at the university. It was our second year when the Tom Cruise movie Top Gun came out at Capri Cinema. At the same time, many of our friends formed a social organization called Bells. The timing was perfect, and the mission was to make an exclusive movie event for the university students. This was the first such event in university history, where we were taking students to the movie. Firstly, we contacted the cinema management to book the theatre for a show, and they agreed. We had to pay upfront for this event, and it was risky. But we were okay with that. Secondly, we did a marketing campaign and sold all tickets. It was a full house event. Finally, we arranged transportation for the students. The event was phenomenal, and students loved it. We all have very fond memories of this event.

Congratulation to NED University, faculty, staff, students, and alumni for completing 100 years. The university has excelled in its tradition of world-class education, workforce development, innovation, and developing regional resilience in Karachi, Pakistan, and the region. My best wishes for the years to come.

My advice to all the students of NED University is to dream big, start small, and transform. Then, make an impact and do your part.

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Shuja Shams

Batch:	1989-90
Degree:	B.E
Discipline:	Mechanical Engineering
Organization:	National Bank of Pakistan
Position:	Head of Leadership Development



Though my 23 years of the professional journey have been very diversified regarding functional domains that added value to the corporate sector, I still feel indebted towards NED University for providing me with very strong foundations for whatever capacity I have today. Because of my development at NED University, I got selected as a Management Trainee in 1996 at ICI Pakistan Limited (a premier British multinational of that time). During those days, ICI's Management trainee programme was considered the country's most prestigious Management Trainee programme. The initial four years at ICI were core engineering and manufacturing operations management-related assignments, and then the journey of diversification and cross-functional developments incorporated in the sector started.

Over the years, I worked for some professionally managed organizations, including Engro, Jazz, and Mobilink operations, commercial, supply chain, and human resource management functions. After Jazz, my association with Ken Blanchard Companies of the USA (one of the world's leading Leadership Development companies) helped me in equipping myself with the required expertise and capacity to serve the nation from the platform of the National Bank of Pakistan, in my latest and current professional engagements as Head of Leadership Development.

I still cherish the fond memories with NED and have strong friendships lasting till today. Who can forget the mechanical corner's burger, long chats with friends sitting at the fountain area, and the list goes on. However, my message to current students at NED is that times have changed; for us, the battleground was pretty much local, whereas, for you, the whole world is your arena for value addition and proving yourself.

NED is amongst those very few educational institutions of the country that has built a culture of academic excellence over the years and enriched the quality of education being imparted.

Therefore, students should make the most of this opportunity around the fundamental guiding principles of learning, hard work, and innovation. I am sure the sky would be the limit for them. All the best!

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Sarfaraz Malik

Batch: 1993 - 94
Degree: B.E
Discipline: Electrical Engineering
Organization: Rhine Consulting
Designation: Founder & CEO



My Dear NED,

I had the honour to be given this chance to become a NEDian; it's 93-94 Electrical session. Even today, as I look back at then, still it doesn't look too far in the past because when the memories are so strong with so much to cherish, it's never in the past. The past goes with you as you move along the path of life.

NED has given me the confidence to explore this world; NED nourished values in all of us, who were excellent professionals together with a good human being first. NED inspired us, motivated us, and encouraged us to contribute in whatever capacity we can to make this world a beautiful place for all human beings.

In all those years, our teachers were individuals but institutions in their way, full of hope and inspiration and the wisdom they shared with us in all those years. It was a guiding note for so many other friends and me throughout our journey to date and Inshaa Allah in the future too.

After the graduation and passing-out in 1998, I have explored different paths carrying courage and motivation from NED days; I have worked for a leading Government organization (in Telecom Sector) and later joined one of the leading corporate entities and one of the biggest cellular operators – China Mobile (Zong) and held key positions in Senior managerial roles. Afterwards, I moved to explore the entrepreneurial journey. I set up my platform – Rhine Consulting, with a key emphasis to join the leading international organizations and explore opportunities in Technology, Energy, and Infrastructure together, and Board members of a leading listed Chinese corporate entity.

Those days at NED University are one of the most cherished memories, and I take this opportunity to share words of thanks and gratitude for all our Teachers and the NED Staff and wish them all the best. If I can contribute in any aspect to my great Alma mater, it will be my honour.

Best Wishes!

sarfraz.malik@rhineconsulting.com



Syed Ali Zamin

Batch: 1992-93
Degree: B.E
Discipline: Mechanical Engineering
Organization: Professional Engineers Ontario
Designation: P.Eng



Graduating from NED in 1998, I started a Master's programme in Industrial Engineering and Operations Research at King Fahd University of Petroleum and Minerals, Saudi Arabia. Upon completing the Master's programme, before moving to Canada in 2006, I worked at an automobile casting plant, tube mill, and ordnance factories in Pakistan. My Canada experience comprised working in industries like pharmaceutical manufacturing plants and remote oil and gas camps. Presently, I am working in a data centre as Facilities Operations Manager. I believe that so far, whatever I have achieved in my career is the result of the education and training acquired at the NED University. I'm still in touch with my university friends, and occasionally we talk about our great times and moments. We all miss Mech corner's kabab roll.

It is a considerable pride for an organization to complete 100 years of its establishment. I am glad NED is one of the organizations to reach this milestone. I owe my success to my teachers; Dr. Muzzaffar, Dr. Sarosh, Dr. Jameel, Dr. Nazim, Dr. Afzaal, and others. Therefore, I wholeheartedly congratulate NED on this historical moment and wish it more successful.

The world has evolved since we graduated back in the late 90s. The Internet, which was then not common today, has a significant role in bringing drastic changes. Every type of information is available within reach of touch. I'm sure that NED, besides working on academics, is also developing students' research skills. These skills are necessary to provoke the habit of questioning and reasoning.

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Adnan Sultan

Batch: 1994 - 95
Degree: B.E
Discipline: Mechanical Engineering
Organization: Tripack Films Limited
Designation: Head of Manufacturing & Product Development



Becoming a part of this prestigious institution was more than a dream and a milestone achieved in life. The journey of carving engineering skills at NED was a wonderful and unforgettable experience.

The first year was full of joy and fun, setting new goals every day, seeking meetings at MECH corner, planning mischiefs, spending time in the gym mastering basketball and badminton. However, as soon as we got into challenging studies and a competitive environment, the true struggle started to become a professional mechanical engineer.





REFLECTIONS

Four years at NED polished us, trained us to take challenges; it added courage and confidence to strive for the best and achieve goals in life. The credit goes to the professors for giving us a purpose and directing us to set a vision aligned with the mission statement in life. The true memories include teachers & colleagues, and that was all NED was about, contributing to the learning curve and nurturing an appetite for an engineering mind.

The strong foundation set in those four years made it possible to get exposure in a German university and qualify as a Master of Science in Process Engineering and Energy Technology. The passion for doing something for the country brought me back to roots, and even after serving a few years at Alstom Germany, I joined Tri-Pack Films Limited. I have been a part of this professional and fantastic organization for the past 15 years.

NED is pride; I wish all the best for the development and growth of this institution and feel fortunate by calling myself a NEDian. I believe it is a fantastic effort to create a reference for a product made in this university. It will also help new talent to visualize how far they can go in their lives.

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Muhammad Ammad

Batch: 1995 – 96
Degree: B.E
Discipline: Civil Engineering
Organization: Tran Systems Corp, USA Designation: Vice President.



The best memory for me about NED was the people in my department. The faculty was highly involved in students' learning and success. Moreover, my fellow students were also very devoted to their studies. I got the opportunity to learn a great deal from Dr. Sahibzada Farooq, Dr. Sarosh Lodi, and Mr. Niaz Husain. The philosophy of learning in NED was collaborative learning. Someone didn't have to fail so that someone else could succeed. I always believed that my professors wanted all of their students to flourish. Hence, they created a collaborative environment rather than a competitive learning environment.

In my second year as an undergraduate student, my class elected me to be the Class Representative (CR), which gave me a unique leadership opportunity to connect with the students and the faculty. As a result, I got recognized for my CR work. Furthermore, I was being recognized many other times at NED for being selected as a Student Affairs (DSA) member by the course teachers. I had performed academically well, then got chosen as the organizer of Half Engineers Party.

Everything contributed to building my confidence. As a member of DSA, I was a part of the team of professors and students who organized the Spring Festival in 1998. The same team also published a newsletter named "The NED Chronicle" every six months. This activity taught me how to write an article in a newspaper. I felt valued and appreciated for what I brought to the table consistently throughout my time at NED.





The topic for our final year project was "Monitoring of Bridges," and we requested Dr. Sahibzada Farooq to be our advisor. Writing the thesis and working simultaneously on building a Database Software was a great learning experience. Dr. Sahibzada's vision took us to the next level of writing. We wrote three separate volumes of the project accompanied by Bridge Monitoring Software, which eventually paved my way to come to the USA on a Highly Skilled Labor Visa (H1B). I presented our project at several seminars. Our work got highlighted in different newspapers; 'Dawn', 'The News', and many others.

Based on all of the above experiences, I sincerely believe that I would not have been at the position I am today if I had not graduated from NED University. Being supported by others inspires you to do the same. How I got nurtured at NED has created the value of paying it forward for me.

The greatest strength of NED is its highly dedicated faculty. For a century now, NED has been creating top-notch engineers and leaders who are serving as an ambassador of the country, shaping the ways we live today. Live Long NED!

Your experiences and your passion are what define you. Find out and identify your strengths, then use those strengths to do something that would make a difference in either small or large ways.

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Sheeraz Abdul Rasheed

Batch:	1995-96
Degree:	B.E
Discipline:	Electrical Engineering
Organization:	Herbion International
Position:	Head of IT
Past Organization:	Head of IT Infrastructure (Pakistan Stock Exchange), General Manager – IT (K-Electric Ltd)



It gives me immense pleasure to write a message for NED University and share my experience. I joined NED in January 1996. Just when I joined, Abdul Qavi Qazi left, and Abul Kalam joined as Vice-Chancellor; that was the transitioning time for the university. There were only four disciplines at that time; however, the university introduced Textile Engineering during my second year.

I feel extremely privileged to be part of NED as its alumni are spread worldwide, working in various leading positions. I experienced this when I went abroad for my higher studies. Whenever I mentioned that I am from Karachi, they almost instantly mentioned you are from NED. We had a student week to celebrate 75 years of university. It was a blast, I would say. Debates, musical evenings, movies, mushaira, and much more. It was a great effort put forth by the student activities director, Mr. Affan Seljuq.





Several prominent things happened during my four years at NED, e.g., introducing the fifth discipline, a completely new library building, restoration of the gymnasium, email service for students, new administration block, etc. My first job was at a local lamination plant. However, I switched to the IT industry after my post-graduation.

The knowledge that I gained from NED has helped me tremendously in the quick understanding of business processes, especially while working with K-Electric Ltd. Having an electrical engineering degree and with lots of NED alumni at KE, worked wonders in business understanding and suggested improvements to modernize as per the current digital era. After passing out, I returned to NED as an external examiner in 2009. That was when the Higher Education Commission (HEC) was funding universities across Pakistan. I was amazed to see the developments and the newly inducted faculty. However, the new buildings constructed shadowed the old structure, and I had to ask people around to see the classrooms I attended. Universities' improvement is a continuous process, and NED is no exception.

In my opinion, NED should induct the best faculty and attract business leaders to hiring panels. Furthermore, such leaders should obtain more insight into the industry by assigning different projects to NED students. That way, not only academics will improve but also, when students pass out, they will be more prepared for the industry. There is no doubt NED has had a significant impact on my career, and I am grateful that I am one of its vast alumni. Thank you, NED, and best wishes.

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Syed Salman Ali

Batch:	1996-97
Degree:	B.E
Discipline:	Civil Engineering
Organization:	China Mobile (ZONG)
Designation:	Director Sales & Distribution



After two decades, reflecting on time spent at my alma mater has invoked many memories and nostalgic feelings full of joyous and tense moments. Life in NED for me was a balancing act to maintain academic excellence, team building, enjoyment, and friendship. I can confidently say that time spent in NED in self-learning and a constantly evolving environment has shaped who I am today. Discipline, an analytical approach to problems, time management, competitiveness, and group culture provided me with a skill set that assisted me in navigating through personal and professional life.

The most important thing I took away from the university was lifelong friendships that served as a support structure through thick and thin. I still cherish the memories of hanging out at Mech corner, fun-filled group studies, and extra circular activities. Best of all, I still carry my NED roll number in my email address.



It is a great pleasure and moment of pride that NED University has completed a century of academic excellence. It has produced engineers that are recognized worldwide and made leaders that have excelled in almost every walk of life.

I hope that NED University will maintain its prestige and remain one of the finest institutions in Pakistan by progressively evolving its academics, modernizing its facilities, and enhancing its research potential.

My message to current students is to enjoy, learn and innovate. The time you spend here will help you be a better professional and productive member of society.

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Nida Mehtab

Batch: 1999-2000
Degree: B. Arch
Discipline: Architecture
Organization: Caryatid
Designation: Founder & CEO



I would like to dedicate my alumni message to my friend and colleague at NED 'Saman Ali' who is no longer amongst us, but she was the person who possessed a gem. Of a heart and made out five-year journey at NED Architectural programme, a memorable time with her presence. May her soul Rest in Peace.

I was fortunate to be the first architectural batch of students at NED, which allowed us to be the testing board and influenced curriculum development and shaped architectural programmes' future at NED. Our professors were amongst the best, including Noman Ahmed, Asiya Sadiq Pollack, Anila, Fariha Ubaid, Fehmida Sheikh, Memon (late), and Salman Sahib. Everyone was dedicated and committed to making the architectural programme a success. We were scolded many times by the professions to understand that architecture is not an academic programme but a choice of life that shapes our thought process; you're your approach for a lifetime. One of the most interesting times of our programme was when a group of 6 students was selected to be the research analyst for the AsiaLink programme led by Asiya Sadiq and Noman Ahmed. We collaborated with the student delegates of other South Asian countries and the professors from K.U. Leuven University to develop a curriculum for their urban planning programme. The research case study was Liyari Expressway, one of Karachi's most major urban development projects with the highest level of urban and city impact.

One of the other memorable moments was when I was selected to represent Pakistan at The South Asian Architectural Conference to present a paper on 'My Education, My Future.'

There is no doubt that NED University has excelled for over a century but has thrived because the founders and the management have always been dedicated, thoughtful leaders. One of the mantras that every NEDian lives by when they graduate from NED is that they are ready to take the world on and navigate through the challenging situations that the outside world poses with a can-do





attitude. NED University shapes future leaders and human beings who understand every ounce of effort has long-lasting impacts on humanity, our built environment, and the planet. NED University, in the last century, has successfully gifted hundreds and thousands of professionals to this world who are doing their best to create an ecosystem where built environment, technology, art, and business can coexist in a balanced way.

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Jahanzeb Khan

Batch: 1997-98
Degree: B.E
Discipline: Computer System Engineering
Organization: Byco Petroleum Pakistan Limited
Designation: General Manager Human Resources
Past Organization: SABIC, Riyadh, KSA;
TOTAL Oil Asia Pacific (APAC Region, Singapore)



Four years at NED University are the most memorable times for me. The institute has an organism of making you a thorough professional in all domains, excelling in technical and behavioural competencies. Moreover, to instill soft skills and balance the different aspects, the institute also has a co-curricular life to offer. I still remember and cherish some fond memories when we spent time not only on studies but also in sports activities.

It is an honourable and memorable sentiment to lead the hockey team and represent my university at the national level. Participation in the co-curricular instilled agility, discipline, and time-management in me and laid a solid foundation of leadership, team-building, conflict management, and negotiation skills that have helped me throughout my career.

NED proved to be a tremendous launching pad for my career. Soon after my graduation, I was able to seek admission in a renowned institute, Middlesex University, London. I have had quite a successful career so far, including serving key roles at well-known companies in the energy sector in Pakistan and abroad. It is not only me, but I can proudly say that most of my batch mates have done extraordinarily well in their respective careers.

NED is a living legacy of 100 years, maintaining its unique position among the leading institutions and a renowned name in providing quality education in the region and at affordable rates. NED has taught me various valuable lessons, including sheer hard work, honesty, dedication and, never losing hope in myself. I wish all the students a very successful stay at NED and a bright career in their professional lives.

I consider myself as highly privileged to be an alumnus of NED University. I was fortunate to be taught by some of the highly distinguished experts in engineering. The faculty was highly dedicated, instilled sound professional knowledge, and made extensive efforts to help build our character.

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Zeeshan Iqbal

Batch:	1999-2000
Degree:	B.E
Discipline:	Mechanical Engineering
Organization:	Visy Industries
Designation:	Sr. Condition Monitoring & Lubrication Engineer
Past Organizations:	Engie Uch Power (Pakistan), Assistant Manager Technical Services; GE Oil & Gas (Middle East), Lead Technical Specialist; Territory Generation, Australia;



There are a few whose dreams come true, and I was one of them. In 1999, my admission to the Mechanical Engineering Department at NED was a dream come true. I still remember my first day, the cold morning of 3rd January of the new millennium, 2000. Hence, we can be called The Millennium Batch.

At NED, we were blessed with an experienced faculty who guided us throughout. There were many remarkable personalities, but I would like to mention here are; Prof. Dr. Muzaffar Mehmood and Asst. Prof. M. Ghaus Ali. NED University has enabled us to work in globally renowned engineering firms.

Active participation in extracurricular activities developed several skills in me. First, the sports activities built a sense of competitiveness in real life. Second, I still remember how our music station in one of the spring festivals was a blast. Third, I am now settled in Sydney, Australia, and currently part of a group called SydNedians, where we try to meet up now and then and cherish those old days spent at mech corner and Lecture Halls. Last but not least, I am married to a NEDian. My wife is a Textile Engineer, so we have plenty of topics to discuss and argue at the dinner table.

It's hard to believe that an engineering college set up to prepare engineers for the construction of a barrage is now a full-fledged research-based degree-awarding university. The evolution and testing times our beloved NED University has gone through, worth a special mention to all the teaching and non-teaching staff and the students. It would not have been possible without the philanthropic mindset and donations from the Puribai and Becharbai Trust, Vishandas Fatehchand Brothers, and Mr. Nadirshaw Edulji Dinshaw.

A century of education with excellence has been completed, and now I wish the NED university the best in its future endeavours. Over the past few years and most recently due to the global pandemic, the world has changed considerably. The young graduates have a big responsibility on their shoulders to take up the baton from us and design a better world for Pakistanis and others. We are trying our best, but there is always room for improvement.

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Farheen Zahoor

Batch:	2001-2002
Degree:	B.E
Discipline:	Textile Engineering
Organization:	Kanfa sourcing & Consultancy & Director Marketing (Barqtron Engineering solutions)
Designation:	Managing Director



‘You are privileged because out of thousands, you have been chosen to study at NED,’ said people when I got in. I was not feeling it until I attended the orientation and heard Engr. Abdul Kalam addressed the new students in his British accent. Indeed, it was a dream of many people, and I lived it. My favourite part was the lab classes, starting from the woodwork, fitting shops, and textile spinning lab, as it gave me confidence that if I can do this, I can accomplish everything in life. Being stared at when we walked down while holding design sheet folders was something I cherished. Seeing Alumni working in big companies was a source of motivation for us. We have got one of the best and the most selfless teachers, but Sir Ghaus of Pakistan Studies and Wing Commander Badaruddin Hashmi (Late) are the ones I remember the most. Besides trained teachers on campus, NED provides a huge pool of visiting faculty consisting of eminent professionals from the industry that helped us link theoretical knowledge to practical work. Apart from technical information, management subjects such as Business Communication and Operations Management were also taught to help engineers manage work with the help of a well-defined curriculum.

The idea of doing an internship followed by an industry drive during our final year project gave us an industrial experience before joining the actual industry that helped make a professional network. Working with international universities and enrolling students in international programmes would prove to be beneficial for cross-country learning. International projects and engaging students with foreign faculty should be focused upon.

While studying at NED, I made many unforgettable memories. You can never be an actual engineer if you haven’t experienced eating paratha with chai and fries at the Mech corner. The seniors, later on, become cherished friends and prove to be a great support in the industry. NED proves to be a strong factor in getting into the industry where big firms recruit engineers as our Alumni work there. The best part about life at NED is diversity. Since NED has quotas from all around the country, you get to meet many students across Pakistan, and right from the beginning, you get to work amongst diverse groups, which polish team working skills.

For new students, gain maximum benefit from your time at university. Always ask questions such as ‘why do we do what we do?’ and watch the bigger picture. Expand your boundaries, see how your university is connected with other institutions, and what learning experience you can get from it. NED provides you roots, but it’s up to you to learn how you want to expand your wings and fly high. You have earned NED through your hard work, so always feel thankful to Allah and strive for the best.

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Muhammad Kashif Ayub

Batch: 2000-2001
Degree: B.E
Discipline: Industrial & Manufacturing Engineering
Organization: GSK Pakistan
Designation: Production Manager



As an engineering student, I spent the best days of my life at NED University. It has always been an honour to be a part of Pakistan's most prestigious engineering institute. From the entry test till the final year, NED shaped up my aptitude and interests and added to the overall growth and development of my personality as a future professional.

The outstanding faculty at NED did not inculcate technical knowledge but also ensured us to learn discipline, self-sufficiency, and a passion for engineering as a profession. I realized it after pursuing my master in the UK, where all the basics learned from our excellent teachers helped me live on my own as a student and a young professional.

Although it has been more than 13 years of working in the corporate sector, I started my first job as an Assistant Manager Product Development at Pak Suzuki Motors in 2005. When I have 79 employees working under my leadership, association with NED has always been a source of pride for me.

Besides playing an important role academically, NED is the place that gave me unforgettable memories with friends. It gave us uncountable reasons to smile and cherish. Studying at NED was always fun with many co-curricular activities, events organized on different occasions, and our trips with batch mates. It is not just me but everyone from our batch who learned team-building skills at NED, which continue to benefit us in work life.

Recalling the unforgettable moments from our student life, I remember the cricket tournament that NED organized. It was the first time the Industrial & Manufacturing department participated in an inter-departmental cricket tournament where the Mechanical and Civil Engineering departments were considered to be the champions since the beginning. However, contrary to everyone's belief, we worked hard, and our teamwork made us victorious. As a result, we did not just win the first-ever cricket tournament for the department but also won the hearts of every fellow student at the department. Recalling those days still makes me smile.

NED is an asset to Pakistan and is still one of the finest institutions. We should all preserve this asset by contributing intellectually and promoting our beloved university at different forums.

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Muhammad Fahad Khalid

Batch: 2001-2002
Degree: B.E
Discipline: Urban & Infrastructure Engineering
Designation: Senior Highway Engineer



NED, the institute which changed my life. From the first day to the final, it was a journey full of joy, self-discovery, academic ventures, and friendships that lasted a lifetime.

It was early January 2002 when I stepped in NED to take admission in a batch of 2001-02, running here and there to complete the necessary paperwork and give myself a new introduction as a student of the prestigious institute which I dreamed of.

I remember when all the newly admitted students of CIVIL Engineering of Batch 2001-02 were gathered in the lecture hall to launch a new discipline called "Urban Engineering". It was a novel name for all of us. Twenty-five students voluntarily changed their discipline from Civil to Urban Engineering, thus marking this new field at NED University. As the days of graduation came near, the fear of obtaining a job based on this degree, unknown to the market, grew. The first interview call came within a month after graduation. It was a leading engineering consultancy firm. I was interviewed and got selected! And that was it.

After one and a half years of working as a highway design engineer, I switched to another consultancy firm in Saudi Arabia and the UAE, where I am working to date.

The job environment is another institute where a person learns a new set of knowledge and skills with the help of all university courses, which is a never-ending process. My advice to the new engineers is to always believe in yourself; you are second to none in terms of knowledge and talent, be confident but not overconfident. It's also essential to attach some physical activity to keep a person physically active mentally fit and practice a hobby which provides a nice and healthy break from daily routine.

I wish to see NED as creator and hub of innovations and technologies and extensive practice in trades like building information technology, augmented reality and artificial intelligence, etc. I also wish to make a strong link between university and industry to introduce the latest innovations and technologies in practice to students.

NED University is completing its 100 years in 2021. I cannot be happier as I am one of those graduates who can experience their Alma Mater completing its centennial anniversary. It's an honour for me to graduate from such a prestigious institution, and I hope that NED University shall retain its hallmark of providing quality education to the students on merit.

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Sami Abro

Batch: 2002-2003
Degree: B.S
Discipline: Computer Science & Information Technology
Organization: ING-Australia
Designation: Compliance Manager
Past Organizations: Assistant Vice President National Bank of Pakistan (2008-2018)



My four-year journey at NED University started in January 2000, from “Having Nothing” in hand to “Have Everything” at the end of 2006. The journey can be defined as future ahead, friends for life, memories to cherish, and graduating forever.

The best things in life include the people you love, places you go, and the memories you make. I found this trio-combo in the admission package that I received from NED University. The excellence of the tremendous institute-NED cannot be put in the scale of a few words. The period of 100 years is a phrase that has shaped the future of 1000s of individuals and has contributed to the prosperity of our society. NED University has been producing quality graduates with a blend of skills that have brought innovation in their respective fields. On the centenary of NED, I am 100% sure that the production of competent human resources will continue for the next centenary to come.

It has been a palpable journey and an immense pleasure to have been nurtured during my period at NED University. There are many things to say about the bounties of NED, including the outstanding teaching staff and learning environment, best academic plans, the inspirational library, interesting social activities, various events all around the year, and many more. To sum up, NED not only gave me the best study experience ever but also gave me the privilege of learning about other cultures, beliefs, and perspectives. The mentioned aspects have helped me succeed in my career after completing my graduation at NED.

I am grateful that I had a tremendous opportunity to study and make lifelong friends during campus life. We studied, worked hard, and made the best unforgettable memories together.

Now, I will utilize this opportunity to welcome all the new students who have recently joined NED. Make the most of your time here. I encourage you to think of NED as a new beginning, a start of a new story, embrace it. Your experience will be what you make it, and your opportunities will only be limited by the limits you place on yourself.

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Tufail Ali Zubedi

Batch: 2002-2003
Degree: M.S
Discipline: Environmental Engineering
Organization: Services, Products and Management
Consultants Pakistan
Designation: Founder & Sustainability &
Environmental Consultant



I graduated in civil engineering from Mehran University of Engineering and Technology, Jamshoro. I was facing the challenge that every engineering graduate faces at this stage of life, acquiring a job related to my field. After multiple attempts, some of my classmates were fortunate to receive engineering jobs, while some switched to other professions. However, the idea of abandoning engineering before even practising what we had learned during university never appealed to me.

I joined NED University of Engineering and Technology in 2003 for Masters in Environmental Engineering. After passing the written test and interview by Mr. Saeed Ahmed and Dr. Waseem Iqbal, I finally got admission in the morning session. I still remember my first day on 6th Jan 2003 when I met my new classmates. They were the best friends of my worst days.

The never-ending course material, challenging assignments, and quizzes with agonizing exams never appeared justified to me, but little did I realize that it was preparing us for future endeavours. I used to have classes three days a week, determined to excel at studies, while I spent the remaining weekdays at the Central Library for the next 1.5 years. All the hard work finally paid off when I secured a CGPA of 3.8/4.0 and a good job even before passing my final term.

As time passed and I got accomplished in my professional life, I had this fantastic opportunity to share my experience and knowledge with students by teaching them how to avoid mistakes and overcome some of the obstacles I faced at this stage. Whenever I answer such queries, I cannot help think of my teachers and cannot thank each of my teachers who have shaped me into what I am today; Engr. Tufail Ali Zubedi, Environmental Consultant, Business Owner of SPMC-Pakistan, one of Pakistan's newly established environmental engineering firms having the honour of representing Pakistan internationally.

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Umair Najam

Batch: 2002-03
Degree: B.E
Discipline: Mechanical Engineering
Organization: Microsoft Corporation
Designation: Senior Business Program Manager
Past Organizations: Network Planning Manager, Royal Dutch Shell



When I reflect on my time at NED, three things are at the top of my mind. First, teachers and administrators who have inspired me in several ways, friends who have stood by my side through thick and thin, and the experiences have polished me as a professional. I would be remiss not to count the kindness and support bestowed upon me by professors like Mr. Raza Mehdi, Mr. Rizwan Azeem, and Administrators like Mr. Arshad Hassan. I still remember how my friends, who were fully prepared for the exam the following day, stayed up all night to help and guide me. I will forever be grateful for your kindness, Ali Sarfaraz, Khurram Akbar, and Junaid Akhlas. Ahsan Iqbal, Iqbal Ahmad, Tabish Ahmad, Shahid Shabbir, Faisal Alavi, Aiman, and Junaid Ahmad; I am not sure how I got to be so lucky to call you all my best friends. Second, I still reminisce about the camaraderie, sportsmanship, and passion shared with NED's basketball team. It was a true privilege to lead the team for four years, and I relished every moment.

Recently, I had the opportunity to read a few stories about how NED continues to provide opportunities to the brightest minds who are not born with financial privileges. I heard moving stories about my peers who came from extreme poverty and have improved their financial circumstances through sheer hard work, dedication, and raw talent. These are humble stories that motivate you to work harder and achieve more. Unfortunately, my accomplishments fade in comparison to the journeys of my peers. However, there is a thing common in our stories – NED gave us all an opportunity that is one of a kind. Words cannot express how proud I am of my Alma Mater. Happy 100th Anniversary, beloved!

Through this message, one of the best services that I can provide to those who joined the institution after me is to offer some unsolicited advice. If I could go back 15 years in time, I would tell myself to be mindful of a few things: (a) As you grow older, you learn that your most valuable resource is time. This is one thing you cannot buy in the world, even if you have all the money. So, how are you going to spend your time? Make the most out of what you have left. Life only gets more complicated from here on out. You have the privilege of time to focus and learn practical skills. (b) Information technology is disrupting every industry. Learn to write code and make things while at NED. Form a v-team with cross-departmental friends and build something before you graduate. Better yet, build a startup. (c) Train yourself to create jobs. The best way to do it is to be an entrepreneur. Read 'The Lean Startup' by Eric Ries. It might change your life. (d) Inspire and change the world. (e) Don't judge those who believe in different gods, speak a different language, and have different values; many need your friendship and support but won't ask for it (f). A sure way to succeed is to invest in other people's growth.

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Majid Hussain

Batch: 2004-2005
Degree: B.E
Discipline: Electronics Engineering
Organization: Packaging Depot Inc, Canada
Designation: Director of Operations



I had the great pleasure of being a part of one of Pakistan's most prestigious engineering universities. I enjoyed and cherished every single moment I spent there. I graduated in 2008. The years spent in my bachelor of Electronics Engineering from NED University were the happiest years of my life. I built great friendships and indulged my interest in electronics and leading communities as a director in Spark and various societies.

After six years of industry experience working as Director of The Mechamizer as a Tier 1 supplier of the Motorbike Industry in Pakistan, I decided to do my Masters in Manufacturing Management, and my research led me to the University of Windsor, Canada. My family supported my career while working as a Director at Packaging Depot, which has enabled me to balance work and family time. When I talk about my career, I see my training as an engineer as a great foundation. While studying engineering at NED, I took the models I had studied as an engineer and applied them in the industry. I found that choosing Electronics engineering as a discipline and NED as an educational institution was the best choice I ever made.

During our first-year rally, at least 20 of us were fined Rs 1000/- by the Chairman of the Department for misconduct, but the rally that I remember the most was when some of my friends put some colour on my face, and somebody hit the rangers who in return started beating the students. I was not even involved in the gathering, and the rangers came with their Sticks and started beating us. They hit me hard that I couldn't even sit and lay down for two days.

My friends and I were very good at proxy attendance, especially in morning classes. 2-3 friends had to go to the class and mark the attendance of at least four friends each. Our turns came once a month when we attended the class and did the proxy ritual.

I want to recommend the administration of NED, to get intact with Industry for the first-hand experience, let the students explore the industry before graduation, get in contact with Alumni and arrange industrial visits for students.

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Samia Asad

Batch: 2004-05
Degree: B.E / M.S
Discipline: Mechanical
Organization: KMNR Engineering
Designation: Design Engineer
Past Organizations: Deputy Manager – Lucky Cement



I did my Bachelors in Mechanical Engineering in 2008 and Masters in Industrial Management in 2014 from NED University. Getting admission at NED University and Mechanical Engineering was my childhood dream. It was an absolute pleasure and an honour to achieve it.

The four-year journey in Bachelors equipped me with all the necessary tools to enter the practical field with confidence. In addition, I made solid lifelong friendships here. It was quite challenging to study in a male-dominated field but worth it. I cherish my time spent at the campus. Classes, assignments, practical, and having fun in my free time are all etched in my memory forever. The most precious memory is the time of rallies each year, as we had the annual system at our time. During rallies, we visited every department, holding cards and slogans against departments. It was really fun. We got fined for this almost every year, but it was worth our fun during rallies.

I urge the students to focus on studies and extracurricular activities as both play a significant role in building the skills needed in practical life.

It is a true honour that NED University, the oldest engineering Institution in Pakistan, has reached 100 years of its foundation. Despite the limited available resources, it is at par with any other similar institution in the world. I must commend the improvements made by the subsequent vice chancellors and key personnel in improving the overall quality of teaching and campus facilities. Now, I see that a lot of research is coming out of the university, which is an excellent sign of the quality of graduates it is producing. Many new facilities have been made, and labs have been improved. I wish all the best to my Alma Mater.

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Rabia Saleem Rao

Batch: 2004-2005
Degree: B.S
Discipline: Computer Sciences and Information Technology
Organization: Habib Schools and Habib Education Trust
Designation: Chief Technology Officer



It is excellent to know that NED University celebrates its Centenary year (1921 – 2021). This auspicious moment has given me immense pleasure to send my greetings through this magazine, NED



REFLECTIONS

Experience. I am a NEDian, graduated from Computer Sciences and Information Technology, in 2008 and further completed my Post Graduate in Computer Sciences and Information Technology in 2011.

NED University has numerous fond memories which have made me who I'm today. NED University was a dream place of my father (Saleem Ahmed Rao, Aeronautical Engineer at PIA), who wanted me to get my education from this prestigious university. After my father passed away, I got admission to BCIT in 2005, and my journey to a new world began. BCIT then was the most expensive degree of NED, but my mother (Mrs Farzana Saleem) made it possible for me. I still don't know how she arranged the finances to support my education, but I remember forcing me to go to NED to fulfil my father's dream. I owe her a lot and will be indebted to her my entire life. NED has provided me with an enriched environment to understand my potential through academics and played an essential role in uplifting my thought process to envision my career evolution. When I started my bachelor's, computer science was very challenging. I still remember our first class with Dr. Mahmood Khan Pathan, our Chairman BCIT then, telling us, "Students! NED will take you to the gate of the best recruiters of the world, but it is you who can open the door and get your dreams to become reality".

Education become a reality, and mentoring from the most acceptable faculty at NED goes a long way. It has motivated me to be more focused and achieve the best in the world. I am also very proud to be an organizing member in our department's very first flagship event, ITEC, which was a fantastic experience of my life. NED has significantly impacted my life and enabled my friends and peers to work for global multinational companies and have successful careers.

I have worked in the healthcare sector as an ERP analyst; this job developed my interest in ERPs to a great extent that I started my postgraduate with the same majors and completed it with the highest CGPA in my batch. In 2014, when I was doing well in my career, a thought came into my mind that I should do something to play my role in building and uplifting the community. I work on youth development with this vision as they will be our future leaders. Later on, I began to work for the Karachi Grammar School as Chief Information Officer. Currently, I am working as Chief Technology Officer for Habib Schools and Habib Education Trust.

The confidence that NED has given me has made me open my wings, fly high, and live my passion for doing good social services to uplift our communities. I started my volunteer with Project Management Institute ®, USA (PMI), in 2016. This volunteers journey has played a pivotal role in doing numerous local and global social good work. Currently, I am working as a board of directors of Karachi, Pakistan Chapter, PMI ® and Liaison to Project Management Institute Educational Foundation, USA.

Today, as we celebrate the Centenary of NED University, the university has come a long way. The present administration's vision and work are more student-centric and compatible with the 21st century. There are labs on Artificial Intelligence, Robotics, Cloud Computing, etc., that are highly commendable. I'm glad to see that now the students will experience new technologies through cutting-edge facilities at their convenience.

Lastly, my advice to the students of NED University is to make the most out of the opportunities available to you at university and develop new skills that will help you make the best career choices and do what excites you.

"Passion is energy. Feel the power that comes from focusing on what excites you."

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Muhammad Aamir Rafiq

Batch: 2004-05
Degree: B.E
Discipline: Textile Engineering
Organization: IKEA of Sweden
Position: Business Navigator



NED University is one of the few places which helped shape my life. I mean it not only because I got my life partner there, of course that is half-truth and I must accept it because she might read it, but it is about the personality, character, values, passion and spirit it bestowed upon me. NED, once an inspiring journey, is now a living memory.

It was 5th Jan 2005 and I was sitting in a room with a group of new faces, the moment when I was welcomed to NED and the journey began. My enrolment on one of the limited seats for Federal board made it more exciting. It was Textile Engineering and I had no clue about it before. But what followed in next four years was a tremendous transformation. I got the privilege to learn from very prestigious and hardworking teachers. Every day was marked by more knowledge, discipline and maturity. Distinctions in annual grades kept my morale high and also supported me financially with fee refunds. I got a unique opportunity to represent NED in National University of Singapore and learn about entrepreneurship and enterprise development. There was never a compromise on fun either. Starting from jokes in class to memorable moments with friends around Mec corner, Cafeteria, under a random tree or even sometimes half laid on stairs were few of many recipes of laughter which never let me bored. Time flied and four years were gone. It was sad but satisfying to move on.

NED never left us alone in professional life. It was the main reason that I got a job even before I passed out. It always made me proud through my swift promotions and fast growth. Soon, I was Marketing manager in Alkaram Textile Mills. Whatever we learned from NED did not only give me confidence to take more responsibility but also enabled me to contribute value in the lives of many around us. Later I got an opportunity to teach a course in NED about Merchandising and marketing, a pleasure indeed. Entrepreneurial spirit took me to Sweden and I joined IKEA of Sweden. It is a totally new world with a different kind of tasks. I worked in project management and now in Business Navigation but NEDian spirit of learning and hard work never faded out. Today I work in multiple teams with people graduated from universities around the world. It humbles me to say that whatever we learned from NED did not fall short of expectation or competition rather there are always some unique values and habits got from NED which tend to stand out.

NED is a hallmark that will stay with me forever. Sometimes it seems to be like a mother from whom kids can depart but they are never truly separate. I owe NED best of my regards and wish to be connected ever. I visit it whenever I come to Pakistan, a very nostalgic experience but very pleasing to see that place enriching more and more lives and keep on developing. I miss NED!

Uzair Gadit

Batch: 2005-2006
Degree: B.E
Discipline: Electronics Engineering
Organization: Gaditek
Designation: Co-founder & Director



My father was among the first batch that passed out from NED's current campus; then, my uncles also studied at NED. Because of this, we have a family-like association with NED. I grew up in a big joint family where we were 14 brothers/cousins, and when someone couldn't get into NED due to his grades, he was frowned upon. So, it was a seal of one being good at studies if he could get into NED.

Studying at NED, the absolute pleasure was our batch mates. It was such a competitive environment that I wasn't used to during school or college, where I used to be easily among the top 5%. Being from the discipline (Electronics) that was in highest demand back then, everyone was highly qualified. It was a very humbling and great lifelong lesson. Not to mention, it was our first co-education experience that created lots of life-long funny memories. (After all, we were still teenagers!) The most significant and impactful of all these stories is that somewhere in the 2nd year of the four-year BE programme, I fell in love with computers and the Internet. I found a way to start an innovative Internet-based global business making many profits. The adrenaline rush was powerful; it was enough to take a stand against anyone and everyone. (Wish I knew that dropout millionaires were a thing back then!). Social pressure was immense. I was pursued alike by batchmates, respected professors, and the family to give it up and focus on studies. "Internet-based businesses are for US-based people, Bill Gates is a myth for third world countries", "Internet-based businesses aren't real, no one has ever made real money/career on the Internet". But I instinctively knew that something super big was hidden there. That stand was the first real-life stand that I took. It awakened a fire of "rebellion" inside me that continues till date.

I was lucky to be with my brother, Aaqib Gadit. We have been together since Montessori up till we did BE together. He was a big believer and, despite being a topper, which I was not (you can imagine the social pressure on him!), he declined to pursue the "proven and glorious" path of sitting with me in the basement and being part of the mission from day 1! The opponent's argument was to pursue the proven path of publishing papers, getting credits, applying for Masters, and to go abroad. We respected that, of course, but it was probably the courage to think differently and do something new that drove us. Our point was that "why can't the next Bill Gates and Zuckerberg be from Pakistan as the Internet is such a level playing field?"

As the most outstanding manifestation of our stand, Gaditek.com was founded in 2007. It sponsored some on-campus events while we were still under-grads at NED.

Looking back, it still sometimes leaves a bitter taste (some of the pressures and resulting conflicts were bad!) But that's pretty much what fueled the rebellion. And by the grace of Almighty Allah, today Gaditek.com (later we evolved it into Disrupt.com as we entered more countries) employs over 600+ full-time employees in 4 continents across the world. Its businesses are as diversified

as cyber security, cloud, social trading platforms, athleisure, retail cashback, etc. We are already among the top exporters, and based on our current run rate, we will be the largest in a year or two.

Thanks to NED, the journey began in its walkways, cafeteria, and buildings continue. As our experiences improve and exposure grows, we are determined to make it one of Pakistan's best technology companies along the lines of Samsungs (that uplifted the entire economy of Korea) and Tatas (that uplifted India) of the world! It's now overdue for our beloved country, and that's our mission."

[Uzair Guzair@disrupt.com](mailto:Uzair.Guzair@disrupt.com)

Shahab Kafeel Siddiqui

Batch: 2005-06
Degree: B.E
Discipline: Civil Engineering
Organization: Exxon Mobil
Designation: Senior Reservoir Engineer



A decade ago, on a cold breezy winter morning, many students filled with dreams and energy marched to one of the most prestigious institutions in our country for the first time. I felt gratified as I made my way to the NED University, whose alumni have done marvels all over the world. This day was the beginning of the most enjoyable four years of my life that left everlasting and profound memories. I still wish that I could go back in time and relive those moments over and over again. My time at NED was wonderful; it was filled with fun, adventures, and mischief. I met people who created an everlasting impact on my life. NED has a robust global network, and you always feel welcome and at home with fellow NEDians as they make you feel nostalgic. People call it 'The NED Connection'.

Every year NED produces the world's finest engineers, innovators, entrepreneurs, and problem solvers. The highly qualified and trained faculty members ensure that all students receive high-quality education and training, competing internationally. NED possesses a well-designed campus, classrooms and lecture halls, modern laboratories, and lively cafeterias. The university also offers various opportunities for students to participate in all kinds of social activities to boost their personalities. The overall campus experience is enriched by technology showcase events, science and debate competitions, religious congregations, farewell nights, spring celebrations, year-end rallies, sports tournaments, and many other exciting activities.

My advice to young and energetic engineering students is to relish university time, focus on academics, learn new skills, and develop a personality. Technology has revolutionized the current era, and with this change, the monotonous jobs are being replaced by software and robots. The way the world has progressed over the last decade, there is more need for thinkers. To succeed in the future, the next generation must evolve at the same pace as the world. It is also the responsibility of current and future generations to prevent climate change with their actions and opinions. This means that even making small changes in what we do or how we do it can positively impact avoiding the onset of climate change. Together we can make a difference.



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NED is one of the oldest universities of Pakistan, and this year marks the 100th anniversary of this prestigious institution. An Engineering School that was established to train Civil Engineers for the construction of Sukkur Barrage has evolved into a globally recognized university and offers an unforgettable experience that has changed countless lives for good. The alumni of NED have served this country for a century and will continue to do wonders for many years to come. I feel proud to be a part of NED Alumni.

“Believe in yourself, work hard, work smart and passionately present your best self to the world”.

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Azhar uddin Khuhro

Batch: 2005-06
Degree: B.Arch
Discipline: Architecture
Organization: Self Employed
Designation: Principal Architect
Past Organizations: NESPAK



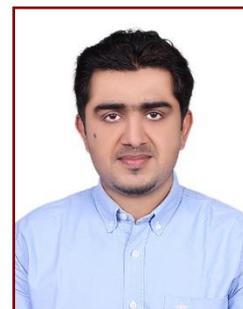
Life is full of adventures that are unique for everyone. But being an architecture student, especially in a prestigious institution that has had stood the upheavals of modern time, is nothing but genuinely exhilarating and heartbreaking at the same time. So is the case with every architecture student of this institution. Being an engineering university, the technical side of Architecture was fully covered. By strengthening the industry linkage of our department, both locally and internationally, the Department of Architecture and Planning of NED can for sure become the industry leader.

Situated in the historical backdrop, seen in the creation of Pakistan, NED has become the backbone of the Islamic Republic of Pakistan. This institution, along with D.J. Science College, was fuel to the movement of the making of Pakistan. Not only in Pakistan, but the alumni of NED have also led their way throughout the globe, making the name of NED shine with glory.

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Afzal Hussain

Batch: 2005-06
Degree: B.E
Discipline: Automotive Engineering
Organization: Pak Suzuki Motor Co. Ltd
Designation: Manager Spare Parts & Accessories, After Sales



I am belatedly honoured to express my views as a blessed alumnus of NED University of Engineering & Technology. To recall from my memoirs at my alma mater, I got a chance to learn and enrich a myriad of personality traits, which eventually helped me lead a healthy and prosperous





personal and professional life. It will be unjust not to mention the intangible assets I acquired under our prestigious university's umbrella. To name a few, these were enhanced self-confidence, logical thinking, analytical analysis, problem-solving skills, leadership and managerial skills, team working, and last but not least, decision-making skills. I highly regard all these learnings and experiences to the core of my heart.

Moreover, we are the proud pioneers of the Automotive Engineering Department. And I still remember our renowned Chairman at that time, Dr. Ing. RQ Hamid, had arranged for our batch first time a 4-Weeks industrial internship programme. At the beginning of our 1st year, including many other industrial visits from time to time, which were earlier normally used to be planned in 3rd year of Engineering. That type of early experience enhanced our overall confidence level, technical knowledge and gave further clarity for pursuing our degree in a better and refined way. Also, we were fortunate that we witnessed the development of our department within a time frame of just two years and attended 3rd & 4th-year classes in the new state of the art building, which was equipped with the latest technical tools and machinery at that time.

Furthermore, being the 1st batch, it was considered an arduous task to obtain timely PEC recognition and jobs for the novice batch in organizations. It was indeed a daunting challenge at that time. Still, kudos to our Department, Industrial Liaison team, especially Mr. Abdul Majid Sheikh (Project Director) performed a very praiseworthy role for the placement of every single graduate within a year of pass out. Today, after just over a decade, most of our colleagues are placed at the leading positions in prestigious national and multinational organizations in our homeland and abroad.

In last, I request to competent authorities to comprehensively and timely review our offered degree programmes, especially Automotive Engineering, for meeting up and catering for the contemporary demands of the industries and the society, with the help of alumni and industries bigwigs, to revolutionize the industrial apparatus further and keeping a step ahead from all others educational institutions.

Proud NEDian and best of luck to all Alumni.

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Syed Faizan Ali

Batch:	2006-07
Degree:	B.E
Discipline:	Chemical Engineering
Organization:	WG-Pro-Manufacturing, Canada
Designation:	Operations Team Lead



It gives me great pleasure that I have been allowed to express my gratitude and share priceless experiences and give a message as an Alumnus to be published in the centennial year of NED University. I still remember the day getting up from my seat, with my heart pounding in the auditorium and going onto the stage to select my discipline to become a student of the first batch of chemical engineering discipline. On the first day, all dressed up formally as if I was going for my official meeting, wearing a blue dress shirt and hair nicely cut, my late mother took a snapshot of me departing from my home, which still brings a smile to my face. During the first week, walking in front of the



MECH corner without my friends, I found myself alone all of a sudden after being welcomed by seniors for some fun. Later, they all hugged me, gave me high fives, and told me to let them know whenever I needed help. It still brings great joy, and I relive all those moments when I made new friends, quarrels making no sense today—searching our pockets to pool in money for group friends' birthdays and treats, enjoying our official trips as a day out, and discussing options with my dear group mates on dressing up the same at the annual dinners.

Throughout my academic experience, I found a very supportive faculty who were respectful even when students made their lectures miserable. I am indebted for all their cooperation and dedication to achieve the highest of my potential.

All I can say to the new prospects is to be sure of what you want to become and remember why you are here. The way race the working of an answer for a numerical, you will need to reverse engineer your way to acquire a certain position in your career. Learn about the specializations, certifications, and postgraduate education beforehand that will help you become who you want to be. Value your time, the efforts made by your teachers, and your parents' trust by making the base of your career as strong as possible. Focus on developing yourself as an individual who you think is valuable not only because of the score on the result card but as a self-confident, strong-willed individual who knows how to present yourself to the world that awaits you. And keep in mind that the degree can be more than a piece of paper if you will be thankful for what you have and be positive in difficult times. And once you graduate, integrity at work and making the most of the worst conditions will help you find stability in your professional life.

After meeting engineers and scholars through the course of years after graduating, I find my university as a continuously evolving academy that provides a platform for even the financially weakest and an internationally recognized institute. Rich in values as represented by the success stories all around the globe, whether related or not to engineering disciplines.

Overall, I consider the NEDian experience as something that cannot be quantified in the form of a transcript or rewarded as a degree. However, it is something that I will cherish till the end of my time as a wonderful part of my life.

“PAKISTAN ZINDABAD NED PAINDABAD”

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Saadia Athar

Batch: 2006-07
Degree: B.E
Discipline: Chemical Engineering
Organization: McGill University Quebec, Canada
Designation: Engineer



NED is a promising platform for those with resilient personalities and aspirations to succeed. Time and again, you will be put through challenges that will require struggle between systemic rusting, immobilized setups, and retarded growth. On the other hand, the university still boasts its elevation

through highly diverse and honest leadership at the senior admin level. This is the primary reason the university is to give a valuable engineering degree should you desire to progress in life with limited resources in hand. A person like me whose Engineering enthusiasm got rooted at an early Harry Potter fan club age upon seeing the English movie “Twister” nurtured watching the whirlpool formation in the washing machine at home. NED was the perfect place to try to turn my dreams into a reality.

I have always been fond of taking risks whilst calculating the maximum loss I may face upon taking a different path. But what remains valuable is the pride in simplicity that NED inculcated in me. No matter how successful I might be in life, the origination from a humble stream will always help me look up whilst keeping my feet intact on the ground.

NED gives a platform, but your eventual understanding is in your own hands. NED is fortunately blessed to have some of the most talented brains of the country that are smart enough to stand at par with students internationally, even in this competitive era. The ethics, discipline, honesty, and hard work reflected by some of them are voiced by all academic institutions no matter when and where in the world you might go. The sincerity and dedication of NEDians are valued all over, with the current students and professionals meticulously working hard to keep it intact.

Please continue the efforts and do what it takes to be exceptional engineers who begin their professional journey to impact this world positively. So true, the journey of a thousand miles begins with a single step! Best wishes for NEDians in their personal and professional lives!

Have a blessed future ahead!

NED has given a voice to many, a path to everyone, and a future to those who wanted.

Abrar Ahmed

Batch: 2006-07
Degree: B.E
Discipline: Petroleum Engineering
Organization: Eni Pakistan Ltd.
Designation: Sr. Reservoir Engineer



It is an immense pleasure to share my thoughts as an Alumni of NED. I feel proud to be part of one of the most prestigious institutions of Pakistan for my professional education. I did my Bachelor’s degree in Petroleum Engineering in 2010 and subsequently Master’s degree in Mechanical Engineering in 2020. This educational experience under the supervision of the finest faculty has instilled all the required skillset and qualities to become a successful professional.

Apart from educational activities, there were lots of healthy social activities available at the campus to encourage team spirit and the overall development of the students. Societies like ‘Society of Petroleum Engineering SPE NED Chapter’ American Society of Mechanical Engineers ASME NED Chapter’ provided the necessary platforms to fill the gap between academia and



industry. In addition, several seminars and field visits were organized by these societies to support the curriculum.

During my studies, I have come across brilliant peers and colleagues who remained supportive during the time spent at NED and in my professional career. In particular, the petroleum sector in Pakistan is concentrated, and most of the colleagues cross paths in the industry which also provides a chance to develop stronger relationships with them.

NED University takes a special interest in the professional development of its student. It actively facilitates them to avail themselves of internship opportunities through the dedicated Directorate of Industrial Liaison DIL. This further enhances the theoretical knowledge with timely practical exposure. I had a chance to have an internship in one of the leading multinational E&P companies at their Head Office in Islamabad for three weeks during the semester break in my third year of Bachelor's. At the same time, my other colleagues got internships in different oil and gas companies.

Student unions of NED university arranged annual picnics, special events on national days, and the Summer Gala that provided plenty of socializing opportunities among the students of different departments. These events helped us to improve necessary soft skills, which were as important in professional life as technical knowledge.

My experience at the campus gave me the confidence and competency that laid the foundation to compete for both at the national and international levels. In my tenure at Eni Head Office in Milan, Italy, I enjoyed working with a multinational and cross-cultural team where I never felt lacking in technical knowledge. The credit goes to NED University, which prepared its students to compete globally. Also, state-of-the-art laboratories of Petroleum Engineering established at the campus are comparable to any reputable international university.

Back in our time, the Petroleum Engineering department was newly established, and since that time, we have observed a steady and progressive development of the industry-academia relationship. Currently, one will find the industry full of NED alumni who have become a valuable asset to the institution and the country.

The quality education at NED University with an economical fee structure is the hallmark for all the students pursuing professional engineering studies in Pakistan. Moreover, with time Bachelors's the diversification of engineering faculties has opened vast avenues for aspiring students to pursue their dreams without any limitations.

My message to current and prospective students is to work hard and enjoy the four years of your graduation at the NED University. As, these will be the golden days of your life - the memories of which will be cherished forever. I wish and pray that you will take forward the 100 years legacy of NED University and make us all proud.

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Zia Abbas

Batch: 2006-07
Degree: B.E
Discipline: Industrial & Manufacturing
Organization: Gul Ahmed Textile
Designation: Manager Supply Chain



It's been a privilege to graduate from one of Pakistan's renowned and esteemed Engineering institutions. I got admission to NED University in 2007, and it was like a dream come true. I had enrolled in Industrial & Manufacturing Engineering, which was relatively a new department at that time. But now, it has made its unique recognition among other faculties and has shown ever-increasing demand within the Industrial Sector. Since graduation in 2010, I have been associated with different Textile Sectors and benefited this sector with my Services as an Industrial Engineer & Supply Chain Professional for almost ten years.

Being a student at NED University was the most joyous and memorable era of my life. We used to bunk lectures and ask friends for a proxy while enjoying a party at a cafeteria or playing a soccer game. There were a lot of memories to be shared, but I will share the one which I remember the most.

It was the summer vacation of our final year, and we planned for a Pakistan Tour. At that time, there was an annual system instead of semesters at NED University. We were a group of 5 members. It was decided to go on the Pakistan tour by the 1st week of June-2010 (summer vacations); meanwhile, the department's faculty decided to conduct the mid-year evaluation of final year projects within the 1st week of summer vacations. So, there was a conflict, either we should go on a Pakistan Tour or attend the mid-year Evaluation. Then, we decided to go on a Pakistan Tour as we have finalized the tour earlier, but what about Mid-Year Evaluation? Here comes the solution, one of our group members sent an email to the department's dean and asked for a special favour to conduct the mid-Year evaluation within the 3rd week as all members going on the Pakistan Tour. The dean accepted our request and allowed us to go on the tour and ask the faculty to re-conduct the mid-year evaluation separately for our group at our specified dates. This incident showed us how much the university faculty members are concerned about students' extracurriculars and academics. Subsequently, the respect for the faculty has immensely amplified in our hearts.

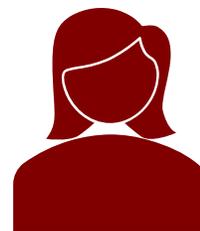
I wish with the core of my heart for the continued prosperity and well-being of NED University. May this institution keep producing one of the finest Engineers and fulfil its part in serving the nation by producing technically sound professionals in the future.

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Ammarah Naz

Batch: 2006-07
Degree: B. Arch
Discipline: Architecture



I have many good memories of the university. So many of my fellow students became my close friends, and we spent countless memories not only in classrooms but in the canteens as well. These places started to feel like our own, even in the first year of university.

An outstanding institution cannot be built overnight. During the past 100 years, NED University has secured great rapport through many peoples' hard work and selfless devotion. The university was also fortunate to have had one of the finest leaderships over the decade, who carried on this illustrious tradition of leadership and excellence.

The first moment when I came to NED University, I was full of energy and enthusiasm. The management, faculty, and staff of this institution are top-rated. They all want their students to do well. This university provides so many opportunities to the students. It's safe to say that the professors helped me beyond the words. They kept the students as their highest priority. It is a privilege, and I am glad to be a part of this prestigious institution. The teachers and staff are beneficial. They made sure that the students were comfortable and made progress well in their lives. However, the university helped me excel in the academic field and taught me a lot about different cultures and how to appreciate them.

Tahira Mumtaz

Batch: 2006-07
Degree: B.E, M.E
Discipline: Biomedical Engineering
Organization: University of Bradford
Designation: Postgraduate Researcher
Past Organizations: Jr. Biomedical Engineer PAEC
(Pakistan Atomic Energy Commission)



I started my NED journey half-heartedly as I was a pre-medical student who, despite securing an A+ in intermediate, could not get into a medical university. So, I was very disappointed and started Biomedical Engineering at NED in 2007 January, unaware that great things were about to happen, which was only because of NED.

The teachers at LEJ Campus were well equipped to welcome a mix of medical and engineering students. Being the second batch at LEJ campus, we (1st and 2nd batch) started feeling like it was our home. I represented my department at interdepartmental sports (gymnastics and badminton). I earned a gold medal for the Biomedical Department in 2010, which is still one of my best memories.



The environment at NED was so conducive that most of my batchmates and juniors could use their full potential in the engagement of different extracurricular activities. Biomedical used to be a five-year course back then with an extensive six months training at the end of last year that had landed most of my batch mates in job positions they wanted.

I also started teaching at Dow University of Health Sciences at their department of Prosthetic and Orthotics as a lecturer. I joined NED Engg. Programme in the evening and during those two years was awarded the prestigious Erasmus Mundus Scholarship to complete a semester outside Pakistan as an exchange student. If it were not for NED, I would never have flown out of the country, so yes, I would like to credit all my teachers and mentors who helped me during those years to be a multitasking person. During this time, I also managed to clear Atomic Energy Commission Exam with flying colours and was the only female Biomedical Engineer who cleared all the steps of the selection process. Including daunting interviews and psychological tests and was offered the Jr. Biomedical Engineer position. This is again a very memorable and proud moment for me.

NED University gave me the confidence to be who I am; with the right mindset can achieve anything. Keeping the same in my mind after a partial career break, I joined another Masters in Public Health and Health Promotion at Bangor University, Wales, UK. I have worked with Public Health Wales and worked extensively for North Wales Society for The Blinds.

Currently, I joined the University of Bradford as a Post-graduate Researcher working on a project with the Bradford Institute of Health Research collaboration, which is very close to my heart. I have proposed an intervention for improving forced migrant women's access to maternity care. My message to current and future NEDians is to make the most of their time at NED. Engage in different student union activities and focus on personal development. We are fortunate to be a part of one of the most prestigious institutions of Pakistan and Asia, seamlessly competing with the world.

Long live NED!

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Dr. Shaheen Anis

Batch: 2006-07
Degree: B.E
Discipline: Materials Engineering
Organization: Water Research Center, New York University (Abu Dhabi campus)
Designation: Scientist



Graduating from NED University is the most prestigious possession I hold. Being a part of the pioneering batches of the Materials Engineering department, I learned how to deal with several academic challenges. Those challenges played an immense role in shaping my career path. We were lucky to have a great department head, Prof. Ashraf Ali, who took upon the responsibility of

uplifting a newly established department amid several well-established departments. As a result, we were allowed to be taught by several industrialists teachers. My final year project was fully industrial-based, which required my teammates and me to travel to Balochistan every week. In a male-dominated industry, this was the first time when I realized that females could prove their skills and talent significantly if given a chance. And NED University provided me with that chance. With hard work, zeal, and dedication, anything is possible. The proudest moment was when my parents witnessed my graduation ceremony, where I was awarded a gold medal.

It is not just the destination but the journey which matters. NED's journey was thrilling, challenging, stressful, yet at the same time beautiful. I made some wonderful friends and memories, which I still cherish. My message to newcomers would be to stay true to your work and yourself. It is essential to balance academics with social activities. Grades are indeed important, but not everything! Your attitude in life and facing challenges will take you a long way.

Make memories for the future. And for that, you have to live those memories in the present.

Masooma Zehra

Batch:	2007-08
Degree:	B.E
Discipline:	Electrical Engineering
Organization:	Al Khaleej Sugar Company (Al Ghurair Group of Companies UAE)
Designation:	Senior Assurance and Business Transformation Leader;
Past Organization:	Business Excellence Manager - Nestle Pakistan Limited; Operations Excellence Specialist – ABB Industries LLC UAE



My memories of NED remain quite vivid. I can still feel that breeze on my skin walking towards the corridors of FE in the morning of January 1st, 2008. With a sense of pride and humbleness sweeping through my existence, I entered the 2007-08 Section-B class. The same day, I decided to contest for the Class Representative position. Being the only female contender, I didn't expect to win the vote. The second morning, I was stopped by the Class Advisor on my way to the classroom, telling me that I would be the first-ever female Class Representative in the history of the Electrical Engineering department. Also, the Chairman asked if I was ready to take this role. I served as the CR of Sec-B for two consecutive years.

This Centennial offers the occasion to celebrate a century of success as a milestone in an ongoing journey. But, now, we must aim much higher. Working together, our faculty and students should continue to demonstrate the pursuit of excellence in learning, teaching, and making a lasting and positive difference to the world.

Starting as early as in my third year of engineering, I was fortunate to initially build my rapport in the corporate world as an engineering intern. Later I was offered my first job as a Trainee Engineer in November 2011, even before the final year exams. Over the years, I gained experience with major multinationals like Schneider Electric, Philip Morris International, Nestle, and ABB across



Asia, North Africa, Europe, and the Middle East. Today I am working as Business Transformation Leader for Al Ghurair Group of Companies, a diverse conglomerate headquartered in Dubai UAE, with activities spanning manufacturing, construction, real estate, and financial investments with operations in MENA EU, and NA regions.

NED transformed me into a person that today I am proud of. Over the four years, this phenomenal institution became a part of my DNA. Being associated with such a prestigious university and now a part of its legacy made me worthy. I want to congratulate every proud NEDian on this very special anniversary.

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Ammarah Adnan

Batch: 2008-09
Degree: B.E / M.S
Discipline: Telecommunication
Organization: Beacon Light Academy
Designation: A level instructor / Senior O level Instructor
Past Organizations: Ufone/ Executive Engineer;
NED University/ visiting faculty



NED, my alma mater, will always remain close to my heart. Located right opposite my residence, my mother and I always dreamt of being a part of this prestigious institution. I used to watch the students from my balcony as they celebrated events, wore lab coats, carried equipment, used theodolite on the grounds, and of course wearing those shiny black gowns on the convocation day. I wished to be there someday, too, doing all of that, and it happened. I got into NED conveniently, owing to my excellent academic record. My parents and I were over the moon. This institute has given me so much to treasure – it blessed me with humble teachers from whom I learned more than just academic knowledge. It helped me gain new experiences through meeting with a patriotic army major for our department magazine or by participating in various entrepreneurship competitions.

From having a short yet insightful meeting with the former Vice Chancellor who helped me love teaching as a profession, to writing for the university magazine and learning to reach out to people for issues regarding that matter, this place has blessed me with great friends, one of which I ended up marrying for which I'll forever be grateful. Not to forget how I became an engineer of a calibre at least equal to, if not greater than, a proficient student belonging to an expensive engineering institute in an affordable range. My association with NED did not end with my bachelor's. I pursued my Masters from the same place, and I am grateful to all those teachers who were so cooperative while I endeavoured to keep a balance between my job and studies. A second position at NED, supportive alumni, and of course, the knowledge I had gained at this place got me an excellent job sooner than I had expected at a renowned telecommunication company. I never felt



once that my teachers had not prepared me well enough to work in the industry, unlike many who face such difficulty. As I mentioned earlier, I have been fortunate to have had excellent teachers.

Working at NED was a different and beautiful experience altogether. Being quite young amongst most of the teaching staff, most of whom were my teachers, I never felt out of place except maybe once. But no place is perfect yet; NED still is nearly perfect for me based on all the amazing experiences I have had there. Of course, there had been teachers I was not fond of, and there were teachers who were not fond of me either. There were times where I found the devout system wrong. But then, people were well compensated by the willingness and untiring efforts of bringing modernism into the system. There were times when I thought I wasn't being supported in my endeavours, but I was proved wrong when I would barge into labs and rooms, asking unknown teachers for help, and was never refused. NED will continue to be a place I will always cherish and defend, for it helped me become someone my parents will always be proud of.

With the most dedicated faculty and authorities at NED, the institute is Insha'Allah, sure to celebrate another centenary. The Vice Chancellor Abul Kalam deserves a special mention in making NED what it is today. I'm sure Prof Sarosh Lodi is doing a fantastic job as well. I wish NED all the best and pray it gets even better from here.

NED is what you become when you graduate and enter the industry. NED will be what you may turn out to be, either by becoming good dedicated teachers here or bringing the much-needed research here from the industry. Instead of complaining about the flaws since no institution is perfect, it's better to take up the responsibility of helping them resolve those issues within your capacity.

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Arooj Saleem

Batch: 2008-2009
Degree: B.E
Discipline: CIS Engineering
Organization: Safety National
Designation: Sr. Business Intelligence Developer



My dream was to get admission to NED, where I enjoyed my four years to the fullest. My friends and I made sure to help each other in academics while never missing out on a chance to enjoy. I took part in rallies, Tech-Elite, software competitions, and one of the year's best events: the Spring festival. I have so many memorable moments in NED; during our last semester, we stayed back late at university while reminiscing about the moments we spent in each corridor.

NED University offers great opportunities to develop one's personality and career, especially in Information and Technology. When I was pursuing my master's in the US, I was surprised to see many things that I had learned during my bachelor's. However, I suggest that NED should implement more practical work than theory because that is a requirement when you step into the



professional environment. They should also offer training for personality and behaviour development because that plays a vital role in studying abroad and in a professional environment.

Your goal may be to balance all parts of your life without taking the stress and avoiding failures, but there are moments when you feel that everything is falling apart. Just remember, those moments are not an indicator of your ability to succeed or not. Your perfect dream may be the goal, but if it doesn't go as you planned, the path you took is full of accomplishments that you should be proud of. Try and enjoy your university life because time cannot go back, but memories remain forever.

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Iqra Javed

Batch: 2008-2009
Degree: B.E
Discipline: Chemical Engineering
Organization: REDA Industrial Materials Private Limited
Designation: Business Development Manager REDA Pakistan



The main purpose of sharing my message is to motivate every student struggling to fulfil their aspirations under challenging circumstances.

Unlike other students, I was not raised by my parents. Instead, my uncle and aunt nurtured me since childhood. I belonged to a middle-class family where it was difficult even to bear school fees. I still remember when my schoolmates made fun of me because my uniform looked old and faded as I wore it for seven consecutive years.

My only aim in life was to become independent, not ask others for my basic needs. So as soon as I got my matriculation results, I started giving tuitions to afford my expenses, and by the blessing of Almighty Allah, I got admission to NED. Unfortunately, my life took a turn when I got admission, as my uncle got severely sick and later died, so it became even more difficult for me to continue my studies. But Almighty Allah had a better plan and sent some good people towards me. Firstly, I am humbled by the Department of Controller Students Affairs. They granted me a scholarship and accommodated me in the NED Girls Hostel so I could continue my studies.

I was really worried about my job in my final year, and again, by the blessing of Almighty Allah, I got selected as a Trainee Engineer in 3P of Unilever Pakistan. I worked there for almost two years and then moved to REDA Industrial Materials Private Limited. I have represented my company in different forums in Europe, the Middle East, and Central Asia in the last eight years. I wish to motivate everyone to fulfil their dreams with hard work and consistency.

In the end, I would like to thank UAFA, which provided me with an opportunity to share my success story.



Zermeena Khan

Batch:	2008-2009
Degree:	B.E
Discipline:	Industrial and Manufacturing Engineering
Organization:	TCW Pvt. Ltd.
Designation:	Chief of Operations
Past Organizations:	Unilever Pakistan



It is worth remembering that my four years as a bachelor's student at NED University were the best of my life. I got a chance to unearth my potential as a student and, as a person, leading teams for various co-curricular projects within the University. Starting with the teachers, I always found them very supportive and kind. A student is fortunate enough to discover a mentor who can prepare them for the practical world that lies ahead; NED Management takes excellent care of this crucial prerequisite for the success of its Alumni. I say this because, at NED, I had the opportunity to study both in and out of the classroom.

By connecting us to the industry, NED introduced us to the various facets of professional life through mock interviews and internships, technical competitions, and various co-curricular activities ranging from publications, recitals, debates, art, and spring festival. In addition, it gives one the opportunity to engage with experienced people and gain first-hand knowledge and the dynamics of leading a team.

As a student, I got to experience all of this. It taught me to deal with environmental and interpersonal problems that arise when attempting to achieve a specific goal. It is a critical skill to have once we graduate and begin working for someone else or starting our businesses. That is something for which I will be eternally grateful. It does not stop there because NED University has a high level of legitimacy and respect in all corporations and industries in and beyond Pakistan, which gives the Alumni great pride no matter where they are in the world.

It is a matter of great honour and pride of witnessing NED University's 100th anniversary and claim the title of someone who has benefited from the institution during this period. To everything that will follow, I say that this institution is a great place to be in terms of environment and quality of teaching. NED is a university with a very progressive attitude.

Everyone here is solely committed to helping YOU succeed, whether you are a contemporary student or wish to be a student at NED. However, it will not be attainable unless you are deeply committed, serious, and focused on accomplishing your life vision. Utilize the resources provided by the university to get a position in a renowned organization and also to start your own business. Have an entrepreneurial mindset, even when you work for someone else.

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Bharti

Batch: 2008-09
Degree: B.E
Discipline: Electrical Engineering
Organization: K-Electric Limited
Designation: Manager Business Process Management



I believe it was the early days of Sept 2009 when I was having my orientation to select engineering faculty. I had already decided that I would choose telecommunication and CS because most girls choose this field as its convenient career for girls.

But on the seat of the NED auditorium, some supernatural power came and intrigued me that this is an excellent time to break the stereotype that girls can go in any field without any norms. When I was being called on stage, I was asked what you are selecting beta; I said "Electrical Engineering" without any second thought. Even my father was shocked to change my mind from this CS/TE to EE.

1. Lesson Learned: - Don't go with the flow, change the flow w.r.t needed adaptability of market prevailing classical stereotype.

I used to speak English in my initial days at NED mostly, and when I could not hear the teacher's voice, I asked: "Ma'am, can you please speak up so that we can better understand your lecture ". I could listen to a lot of backbiting from the last benches of chairs that "Bharti is trying to be extra efficient ". But some others were gracious enough to thank me later for asking the teacher to speak louder.

2. Lesson Learned: You will never be criticized by someone doing more than you. You will only be criticized by someone who is doing less. So never waste a minute thinking about people you don't like.

I was socially very active in NED magazine Spark, NED social events, i.e., SENTEC, ITEC, HECKFEST, etc., NED societies IEEE, AIESEC, etc. Because this is what brings out the best in me

3. Lesson Learned: -Managing studies with these things has made me grow as a confident person of which today everybody recognizes me "let's meet the most confident lady of an era ". Trust me with this daring approach I have chased my all dreams in my life which I have envisioned in my NED tenure. I believe an umbrella can't stop the rain but make us stand in the rain. Confidence may not bring success but gives the power to face any challenges in life.

I love MEHCORNER fries but can't afford to have fries daily as this way I will be compromising my daily calories intake but "dil tow bacha haina" (Keep the child inside alive), so I have made a rule that I will explore Mech fries beauty with Gymnasium activities as well to balance the equation. So in the 11:00 am break, I used to have Mech fries with lots of masalas, of which my



best friend Sadia said, what's unique in these 10 rupees fries? That you are ignoring other canteen variety fries.

4. Lesson Learned: - You can enjoy unhealthy things by doing healthy activities. So don't suppress your wishes because of many ifs and buts. Don't put your life on hold because of how you feel about your body. Don't postpone trips, cute clothes, or best meals because you want to wait until you're thin. Life is happening right now. You are beautiful right now.

I live in one corner of Karachi, and NED was in another corner of which my parents always got worried about how I will complete my 4-year journey with this distance and in those days, the Karachi situation was worst too. But thanks to the NED point, I waited till 5 pm irrespective of whether I had classes or not, but I always came from the point. So here I have compromised my time but enjoyed life after classes in NED. Along with my friends, I sat on NED auditorium stairs and did a lot of fun or spent time in the project lab, even in scorching summers.

5-Lesson Learned: - You can enjoy your life no matter how many problems you have. We always choose either to worry because of circumstances or make orange juice from lemon and leave life wondering how we did it.

Since day 1st I have wanted to do my internship at SIEMENS, but when the time came for this, I haven't been selected because of having a low %. My circles always discourage me that I lost the chance. But I have discussed the matter with DIL office that I want to accomplish this journey at SIEMENS, of which I have requested that it's okay my % is not up to mark, but I would request to arrange my interview and then decide anything. Mr. Ayaz from DIL agreed and said Okay, and to my surprise, I got selected after the roller coaster ride.

6. Lesson Learned: -There is only one letter gap between can and can't make approaches. Don't make regrets be part of your life because they always hurt. So networking and speaking what you-feel will always help us fulfil our dreams. When someone says you can't do it, do it twice and take pictures.

NED has given me direction. It is so much important than speed. So many are going nowhere fast.

You need to stay. And it would help if you said loudly. You're afraid of making bad choices, but the truth is this: the tiniest actions will influence the course of the rest of your life, and you cannot control it. So many factors play a part in you being here today: a delayed NED point, an extra class of boring subject, the number of seconds your friends took to understand you. This is chaos theory. Sensitivity. Mathematics. You are here. And every choice you have ever made has led to right now, reading this. While you exist, every movement and moment matters; those bad choices led you to the best days of your life if you were to play it all in rewind. So let them go. The change will come even if you're standing still. Butterflies will keep flapping their wings and causing hurricanes. So, make your choices and make them loud. Trust your gut. Trust energy. And if you ceased to exist? Oh, the universe would notice. The mess that would make. The hearts that would break. So, stay. Stay for bad choices. Stay for great ones. Stay. Cause a few hurricanes

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Nida Zaidi

Batch: 2009-10
Degree: B.E
Discipline: Computer & Information System Engineering
Organization: HBL
Designation: IT Business Analyst



It gives me immense pleasure writing for the young fellows who are lucky and have worked pretty hard to be a part of one of the most prestigious engineering universities of not only this country but of the world. Though life has introduced many new chapters in my life, a part of me still loves and cherishes university days. The exams, the festivities, the attendance completion, and above all, meeting my dear friends each day is safely stored in my memory.

Let me also share my journey after I passed out from NED. I was quite lucky to have started my content writing and blogging career when I was in my second year. Because of my writing skills and interest in social activities and happenings, I got a job in a software house as a Content Developer and Research Analyst. I then moved to Dubai as a Project Management Trainer after completing my PMP. Then, I got the opportunity to work at Standard Chartered Bank as a Technology Service Manager. After working there for three years and getting married in the meantime, I moved to HBL, the holy giant organization of the country.

Dear Readers, just a piece of advice for you. Time is precious, and it doesn't stop for anyone. University is absolutely fun, and it should be, but never forget that life after it demands much more than your university fun.

NED is blessed with the best faculty, and the students should have a firm belief and confidence in themselves. The job market is wide open for all those who have the power and command over their skills and know-how to present themselves. It is not only the grades or the GPA; it is the presentation of the knowledge and learning that will help you flourish your career and personality.

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Aimen Sarwar

Batch: 2009-10
Degree: B. Arch
Discipline: Architecture
Organization: Four Seasons Hotels & Resorts



NED University holds a special place in my heart. As a student of Architecture, studying in the historical building that was restored to become home for the Architecture and Planning faculty was very exciting from the outset. I found great friendships in both my peers and in the faculty. With the latter, I also found lifelong mentors. To this date, I still cherish all of these varied relationships. In addition, the field of Architecture and the designed curriculum enabled my peers and me to experience



Karachi and other places in an incredibly unique way. Our student life was extremely memorable were site visits, field trips, international travel, educational conferences, and extracurricular events.

NED University is undoubtedly a world-renowned educational institution. After two years of graduation from NED University, I immigrated to Canada; my transition into the Canadian workforce and the architecture industry was relatively seamless. My degree from NED is equivalent to the degree of Architecture in Canada, which is possible because of the depth of NED's curriculum. However, I did have to complete a lot of paperwork, obtain work hours in specific areas, and appear for a rigorous architect's license exam in Canada (Ontario).

However, I was determined to work hard and had confidence in my abilities and education. I hope that as the world advances and evolves its educational paradigm in the future, NED can keep up. To do that, NED needs to continue providing the same level of education to its students such that if they go anywhere in the world, they can add value to their profession. Maintaining the NED University standard will enable students to work with the best institutions and add value to the world through their work and careers. In the same vein, I believe that it is essential for all the alumni, including myself and the future students, to give back to our alma mater and our country in some way so that we all can contribute to the prosperity of Pakistan.

My message to future NEDians would be to give your best during the university years and take that enthusiasm into your careers. Focus on networking and building relationships with people in your field and actively participate in industry events. Gaining knowledge with a degree will only take you so far. To keep building on that knowledge, strive to learn about current and future trends and keep learning from your peers. As the saying goes, "Every day you have the opportunity to learn and experience something and someone new. Seize the opportunity. Learn and experience everything you can, and use it to change the world."

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Abeera Azeem

Batch: 2010-2011
Degree: B.E
Discipline: Electronics Engineering
Current Employer: Telenor Pakistan



Well, well... What can I say about my NED Experience? It's been an experience of a lifetime. For me, it wasn't only about academics; NED gave me more to cherish for the rest of my life. The four years I spent was about discovering my inner potential, augmenting it to shine out in the world, and NED opened its arms ten years back with a lot more to offer.

I entered in 2011 January with vague ideas of how an engineering university would be, but I guess I did fall short of my expectations; it wasn't about becoming a good engineer but dwelling on what more you can bring to the table, and NED offered every bit of that extra mile & it laid out the opportunities to lead you towards your self-discovery. As a result, you can come out not only as a sound engineer but a great sportsman, an exceptional public speaker, or an outstanding leader.





NED allowed us to experiment, and it wasn't afraid to accept new ideas... And we had a handful of these cherished experiments, from starting NPS (NED Photography Society) to introducing MUN in NED for the first time to leading Career Expos and giving our mates the flavour of on-campus job hiring. etc

From recognizing my capabilities as a public speaker to providing me platforms where I can proudly represent NED, I will forever be thankful to NED for nourishing my strengths and appreciating my laurels.

Our outstanding faculty wouldn't only focus on what the book has to offer but taught us the practical applications and how engineering can't only mean adding things into a system & making it complex, instead of taking things out of the system and yet making it work!! Teachers who were helpful enough to give you their extra time and guide you in the right way.

And then there were seasons of NED; The Exam Season, The spring festival Season, The book festivals; The grand sports parade, etc., we made sure every moment was lived & cherished to its fullest...

I guess I can go along and write about every moment spent in this institute, but words would fall short, and justice will not be served.

Thank you, NED, you made a great contribution to what I am today.

Muhammad Arif

Batch: 2010-11
Degree: B.E
Discipline: Metallurgical Engineering
Organization: Private Steel bars Manufacturing Industry
Designation: Production Engineer



As an Alma mater of one of Pakistan's most prestigious engineering universities in the present era, I was fortunate that our teaching faculty worked to improve and polish each student's career development. They had established a link between students and industries via industrial visits, which was very helpful in developing our theoretical point of view and practical approach. Lectures consisted of conceptual facts and innovative ideas put simply. The teachers tried their best to enlighten their students of the past, present, and future.

My dream came true when I got selected in NED University after waiting for the admission process due to the high merit list. It was a very proud moment for my family and me. The entire experience of my university life was impactful in building my solid, robust and resilient character. Fortunately, the present education system equipped with modern technology has benefited us in numerous ways. Today our Metallurgical Department seems to be more equipped with state-of-the-art facilities in Labs than before.





REFLECTIONS

To all newcomers, I suggest you don't lose hope and always try to find success in life by availing all the challenging opportunities. You must also remember to move with a positive approach because **ALLAH** promises us to provide sustenance in all Earth's living things.

Being a **NEDian (Metallurgist)**, I am working in one of Pakistan's most giant oversized steel bars manufacturing plants. We have successfully catered to the demands of CPEC, Dams fully, and New Housing Scheme projects bars. The vital role of **NED University** in my career growth and success is increasing the country's socio-economic development.

NED, may you live long for more than 1000 years, Ameen!

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Taha Siddiqui

Batch: 2011-12
Degree: B.E
Discipline: Software Engineering
Organization: Byte Mates
Designation: Co-founder



It is always an honourable and great feeling to share memorable experiences at NED. NED was my dream after witnessing family members pass out from this university, and I felt so lucky when I got admission to software engineering. My batch was the second batch of software engineering. After graduation, I also completed my Master's degree from NED in Computer Science and Information Technology.

During my years at NED, I learned many things, but I also had experiences that made me completely change into a new person when I passed out. NED provided me with some great friends and each moment spent during these days is exceptional and unforgettable.

While working in the industry, it was extraordinary to see NED university's management effectively seeking after linkage with industries to make students aware of the industry that will help them get jobs. Also, NED brings wonderful initiatives for entrepreneurs like National Incubation Center (NIC), which is a great option for students who want to do startups and continue their careers as entrepreneurs. I believe NED will play the same role for Pakistan that Stanford did for Silicon Valley in the U.S.

My best wishes are always with NED to continue its legacy by making great engineers who will serve the country and make it proud both nationally and internationally.

Long Live NED

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Urooj Fatima

Batch: 2012-2013
Degree: B.E, MEM
Discipline: Food, Quality Management
Organization: Edible Oil Ind.
Designation: Compliance Executive



Food is simply sunlight in cold storage ~ John Harvey Kellogg

This quote has summed up the basis for directing my career path. The field appeals to me because of the challenges involved in implementing theory to this realistic world, and thus I enrolled in B.E. (Food Engineering) in 2012. Admission to NED has always been a life-changing decision of my life. NED has groomed me in every aspect and made me a logical thinker, decision-maker, problem-solver, and a confident individual of society. I graduated in 2016 and worked in the confectionery industry as a process compliance executive. While working in the industry, I realized the importance of learning management skills and got enrolled in Masters in Engineering Management (Quality Management) in 2017 and completed it in 2019. Currently, I am working in the reputable edible oil industry and serving there for the last two years. This is all because of NED.

Time at NED has always been memorable; either it is about hustles of reaching sharp at 8:30 AM to attend lectures in bachelors or late-night bustles after master's classes in the evening. But the most memorable one was a prototype presentation in fluid mechanics. The purpose was to develop some industrial equipment out of scrap/daily usage items. After much research & discussions, I fabricated agitator use in food industries with some locally available items and got 3rd position. All in all, teachers, friends, presentations, and events had made some great memories in my memory lane and will always remain with me throughout my life and act as a support system in moving ahead in life.

It gives me immense pleasure to be a part of this legendary institution with its alumni across the world, poles apart. Yet, we all are united... 100 years of achievement is the combined effort of every individual who worked in and worked for NED.

Salute to All!

May Allah give prosperity to this institute for the next many 100 years to come.

ALHAMDULLILLAH !!!!! for NED....

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Madiha Rizvi

Batch: 2013-17
Degree: B.S
Discipline: Applied Physics
Organization: Bytrix Technologies
Designation: Content Coordinator



I still remember when I got the call from NED... it still felt surreal because I prayed a lot for it. Before coming to the university, I was unaware of what I wanted for my future. Like any other kid, my only dream was to get into NED. Later on, I got a seat in Applied Physics, but the fun part was that I was the worst at it.

NED has given me so much more than just a degree. Friends, teachers, acquaintances, experiences, and whatnot – everything that made Physics bearable and understandable. I always thought that I could not grasp physics, but with the best classmates and teachers, I realized that the teaching method counts more. The experiences that I got at NED gave me the courage to go through professional life. However, I could not pursue my degree professionally due to my different interests. I switched to content marketing, which is serving me quite well. I also want to mention that I am so proud of my classmates who are doing remarkable work in Physics and pursuing their dreams.

You guys inspire me every day!

One message that I want to give to the future NEDians is never to let your degree define you. My degree did not go in vain; it is an accolade that I hold dear to my heart and will always do. Never limit yourself and work towards anything you want to do in the future, but with full concentration and focus. NED is a place where you will learn a lot about self-development, self-confidence, and so much more... make sure to utilize it in your practical life.

You represent NED, so make everyone proud while you're out there acing your career!

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Fasiha Israr

Batch: 2013-14
Degree: B.S
Discipline: Industrial Chemistry
Organization: YKK Pakistan Pvt. Ltd
Position: Senior Officer



Thanks for providing me with the opportunity to write a message as an alumnus of my place of graduation. I graduated in the year 2017 from the first batch of industrial chemistry.

NED is the esteemed and admired university. We had decent professors and lecturers who encouraged us to become competent and eligible professionals and taught us how to step up in our respective fields. So today, what I am is by the integrity of my honourable lecturers.

From day one, my life was a rollercoaster ride. I have so many memories and nostalgic flashbacks of those moments. However, I remember many stories during my university life: In class, I used to communicate with my best friends by writing on paper. As I can't control my laughter in serious situations, I burst out laughing in front of my teachers numerous times. I still remember those days when we ate BCR flavoured fries regularly.

I enjoyed my university life very much, making my university days the best part of my life. Whenever I think about those days, I feel nostalgic. But, to situate it more suitably, I missed the time I spent at the university and the traces I left there. It is and always will be the spiritual home of my heart.

As a student of the first batch of Industrial Chemistry, it was very difficult for me to prove myself in the professional world and the industry. As an industrial chemist, it is very hard to become a person who would make the University and teachers proud, but I have done it and more. I have achieved so much in life because I am working continuously to achieve my goal. In the end, I want to emphasize that this all become possible because of the relentless efforts of my teachers. They are my mentors and the ones who always support me.

I wish that NED University will proceed with progress, prosperity, and success AMEEN

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Maira Qadar

Batch: 2013-2014
Degree: B.S
Discipline: Computational Finance
Organization: Badri Management Consultancy
Designation: Senior Actuarial Analyst



I consider myself lucky to be called a "NEDian." I enrolled in the Computational Finance programme, which was newly launched at the end of 2013 for the first time in the country. Unaware of the prospects of this field and being the first ones to graduate, I must admit that I was a little nervous at the start. Still, slowly and gradually, NED gave me confidence and promoted my zeal to advance and face new and exciting challenges. During my Bachelor's programme, I had an interesting journey of difficult projects, quizzes, and learning. I made good friends, and we helped each other study and explored new business ideas and future job opportunities.

The department and the teachers were supportive and always encouraged and mentored us regarding the job placements and seminars. My passion for Statistics and Mathematics motivated me to discover new areas and explore horizons, and I came across Actuarial Sciences. After two weeks of graduation, Alhumdulillah, I got an internship offer, eventually leading to a full-time position. I started as a Junior Actuarial Analyst and was promoted to Senior Actuarial Analyst, and I managed a small team within three years. Furthermore, I am also associated with SOA (Society



of Actuaries) and professional certification exams to excel in this field. My work is related to risk management and insurance reserving.

Apart from the studies, another interesting factor was working with different societies in the University. It helped me gain confidence, communicate with people from different backgrounds, and collaborate to conduct exciting and informative events within the University. For example, I started as a member of the IEEE-WIE (women in engineering) and later became the society's, General Secretary. My main motive was to empower the role of women in the area of STEM education and give women more opportunities as I believed they should have good participation. Moreover, creating a new society for our department to increase its visibility could not have been done without the support of the University's administration, and I learned a lot during these times, which will help me in the future in all prospects of life.

My advice to the new ones will be not just to work hard but to work smart and follow the passion, and ultimately you will be living a happy life. I would suggest the young ones enjoy this time at NED in studies, extracurricular activities, communication with seniors and teachers, learning new skills, explore and discovering new opportunities. NED has been very helpful and supportive in all the prospects, from giving responsibilities, assisting in job placements, installing a sense of ownership, and preparing the students for the practical world.

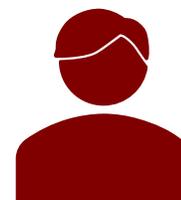
I would want NED to focus more on the students' soft skills and communication skills and cultivate the habit of research, so when they enter the real world, they should have a positive mindset with a strong background and 'can-do attitude.'

“Success usually comes to those who are too busy looking for it.”

mairaqadar@gmail.com

Saqib Aleem

Batch:	2013-14
Degree:	B.S
Discipline:	Computational Finance
Position:	Entrepreneur



NED is not just an institute. By the time you spend enough days here, it is commonly said that it will become your second home. Your friends become your family, and with such an intellectual bunch of people, your skillset improves every day by leaps and bounds. From the welcome party to the spring festival, industrial visits to annual dinner and excitement of sports days, picnics to tensions of annual exams, every year you gather a bulk of memories to cherish forever. Apart from being a fabulous educational institution, it also enlightens you with remarkable extracurricular activities. I must say, **"You come to NED with hopes and desires; you leave NED with memories and accomplishments."**

saqib_aleem@outlook.com



Tashfah Tauqir

Batch: 2014-2015
Degree: B.S
Discipline: Management Sciences



It is an immense pleasure to write this message as NED university alumni; I graduated a few years back in 2018 with a BS degree in Management Sciences and specialization in supply chain management. NED has always been known for its engineering background; the department of Economics and Management Sciences was inaugurated in 2014, and I was very fortunate that I got admission here. I believe that the university has huge recognition in engineering locally and internationally as well; therefore, it is going to embark its way in the industry and make a name for its new department because of the qualified and experienced teachers. Being a part of the first batch, we were offered many opportunities. As a result, I have been associated with big names in the industries like Alkaram textile mills, Orient Energy Pvt Ltd, and HBL Asset management for internships and projects during four years, which has nurtured not only my professional outlook but has also contributed to my personal development as a confident individual.

I will always cherish my time, teachers, and friends at NED university. They have all been very encouraging, and even after graduation, my teachers are still there to motivate and guide me in the new horizons I endure. It is because of my university and the teachers where I have reached today, and I hope to make my department proud in the future too. Kudos to NED University for its overwhelming efforts and dedication!

t.tauqir.23412@khi.iba.edu.pk

Iqra Gulzar

Batch: 2014-15
Degree: B.S
Discipline: Development Studies
Organization: National Organization for Working Communities



I got accepted into the NED University when I wasn't expecting it. In 2014, when I got admitted to the university, I didn't know that it would serve as such a turning point in my life. I am a graduate of Development Studies in the first-ever batch. I ended up winning the first gold medal in my field, the field I wasn't so sure about initially.

NED University has a great array of memories in my life. Of course, the city campus in itself is something to celebrate. The serenity of the place, the food street at walking distance, nearby markets, not to forget Urdu Bazar; all have contributed to the journal of memories and personal development to the extent that it is impossible to cover with words. The time spent behind those century-old stone brick walls turned out to be a foundation for the place I am standing at today.



REFLECTIONS

Great teachers, good friends, very happening life, sometimes stressful too. The smiles I had on my face, the tears I've shed, the food I've had, the drama I've created and much, much more! The smile that touches my lips when I say "NED" is the only evidence of the love that NED has added to my life.

iqragulzar245@gmail.com

Sania Naz

Batch: 2014-15
Degree: B.E
Discipline: Polymer and Petrochemical Engineering
Organization: MFI Enterprises
Position: Assistant Manager-Operations

"I have no words to explain my journey, as it was the wonderful journey of my life as an NEDian"

I always wanted to join chemical field in my professional education (had no clue of real world), but unluckily I didn't get admission in Chemical Engineering, then I choose Polymer & Petrochemical department. When I joined the university, I had no idea where to go and what to flow (like in future what I am going to be as an Engineer, where would be my career leads to me etc.).

NED introduced myself to professional world, I go with the flow and ended up holding 3rd position in my department. Furthermore, this success generated not only high command on my field but also characterized my personality as a leader, helped in getting out problematic situations, how to prove myself as a multi-tasking personality.

I started my career as Sales Engineer, by the honesty and loyalty with my work, I worked day and night to fulfill my dream and within a year I got promoted to Operation Manager, where from leading & hiring staff to dealing with national / international clients, visiting industrial sites and meeting with Procurement team is all included my achievements.

For me NED, nourished my professional career and if I give a chance to get another degree, I will definitely want to go NED back for continuous growing in my life. I am very grateful being an NEDian.

sanianaz415@gmail.com





The Legends



Saeed Kazmi and Idris Kothari

The story of Idris Kothari and Saeed Kazmi is a tale of an extraordinary partnership that spans 34 years. Idris, one of eleven children born in the slums of Karachi, knew that his only doorway to success was excellence in education. Realizing this, he topped in BSc, grabbing an admission in NED, one of the most prestigious universities. Being refused admission by NED due to some technical issues, he sued the university and succeeded. After completing his engineering, he flew to the US for his MS, quit his Ph.D to struggle in the US job market, and finally landed at an engineering company.



On the other hand, Saeed worked at Karachi airport by night and attended electrical engineering classes at NED by day. Working day in and day out, he went to Oregon State after his graduation



in 1973 for a Master's degree in microelectronics. He moved to the Valley in 1976, during the emergence of the semiconductor revolution, and got employed at Monolithic memories, a chip design company. He was always interested in marketing, and with the introduction of Programmable Array Logic (PAL), being the Application manager, he served as a mediator between customers and the company.

Idris and Saeed met through common friends at a gathering of 16 engineers, where they discussed different aspects of life and how it was the perfect time for taking a leap of faith. Breakfast at San Jose was decided for the

following day, where only Idris and Saeed showed up. After significant consideration, they opened an account in which they both deposited enough money and got a business license. They started a company named Semi-custom Logic or SLI, doing consultation business while keeping their jobs as a source of stable income. SLI grabbed its first defence contract in the early 80s, which required more minor chips for stinger missiles to reduce its size. Using CMOS technology, Idris designed a chip that replaced 18 chips combined, and Saeed headed the marketing of this chip. Their customers loved the product. Saeed had a long-time idea of creating a single chip for the functioning of Prowess of Texas instead of thousands of chips. They started working on a business proposal to present to the VCs, but their language skills became a





hindrance. Since both Idris and Saeed were relatively new to the states, they were unaware of the stereotypes around business, which sometimes paid off as an advantage, as they were not intimidated by anyone.

Saeed, once again, came up with an innovative idea of a fabless semiconductor i.e., instead of starting a company with about \$100 million, they would simply buy programmable chips from companies, customize them and sell them. But since they were not ‘known’ faces of the business market, being ‘ahead of their time’ played as a disadvantage and they could not convince VCs for funds. On the other hand, their consulting business through SLI was still blooming. They hit a million-dollar project with an Air Force base that wanted

to set up their fab. This was all going on while they were still doing business ‘part-time’, as they were both employed full-time at VLSI now.

In 1978, about 6 years after IBM had introduced the first PC with about 100 chips on the board, Saeed came up with an idea of combining and reducing all the chips down to 5 and keeping the memory and Intel microchip. Idris knew how to custom-build most of them, and Saeed knew how to programme a few, so they could put their heads together and build the board. When a friend of theirs also joined them, who already had a quarter-million-dollar raised as funds, Saeed and Idris finally quit their jobs to work full time on this project ‘LogicStar’, as named by Saeed.

They created a chip pin-for-pin that was compatible with the competitors’ design. This competitor had stolen their idea so that every product the competitors sold helped their market. Saeed also researched their customers-to-be and faxed the details of their products. The response was amazing, and Saeed flew to Taiwan, the sole supply market of PCs at that time. He was welcomed with great enthusiasm. Later, Don Brooks, who used to head TI and Fujitsu, joined LogicStar to become its CEO, and the company was renamed VIA Technologies Inc. Where Saeed and Idris were very cautious with what they spent with their investments, Don and Fujitsu were spending their money very frantically. When Fujitsu stepped back on investments, they started getting money from a Taiwanese company that acquired VIA.

They couldn’t make much money from their venture but did learn some



important lessons that helped them in their future endeavours. And their efforts made Via Technologies one of the most significant companies in Taiwan to date. Funny enough, they had never been interested in creating a business, but it brought success when they did.

Idris was a talented engineer who had the capability of building wondrous things. What he could imagine, he could build. Though creativity did not come easy, and neither did investments or sales, he never gave up on his ideas. The idea behind all his creations was to find solutions to problems people faced. Idris



and Saeed created a prototype of an electronic book in 1992 called ‘Portabook’ that would digitize reading, very much like the “Kindle” platform that many uses today. They took the concept of Pure GPS to car manufacturers but soon realized how they did not have enough resources to keep the sales thriving. Only because of the absence of the internet, their products did not gain the popularity they had the potential for. Saeed and Idris’s products were built with rich features that the companies could not think of. The ports and the large screen size made their product better. Although their products were not as successful, they continued to innovate with fervour.

With the advent of the Internet, people like Saeed and Idris realized that soon; much data would be sent as multimedia and data communication increased. Idris learned about internet encryption and then created a product through VPNet. After acquiring their product and taking their shares, they settled with their families but were never the *retiring type*. So in 2001, they established Vertical Systems Inc.”, developing products that would be used in hotels and hospitals: kiosks, machines, and bedside computers. They learned about the hospitality industry and started working



their magic. Saeed would interface with customers and identify needs, and Idris would build. They built 30 different things and assembled them in unique. Saeed and Idris made it a point always to keep learning something new.

They learned many valuable lessons throughout their time as business partners, where Idris was the brains behind the technology while Saeed was the brains behind the business. Starting off as engineers and ending

up together as entrepreneurs, Saeed and Idris proved how innovation could be dealt with in all circumstances, even with minimal resources and few people believing in you, or with investors showering their investments on you and man assets keeping your venture afloat.

Dr. Naveed Sherwani

Dr. Naveed Sherwani joined NED in 1978 and spent the next five years of his life there. These were the best five years of his life, as he learned life lessons, learned to work hard, and he made lifelong friends.

Dr. Naveed Sherwani is a well-known semiconductor industry veteran, researcher, author, serial entrepreneur, and academician. Throughout his 35 years of experience, he has formed and built several companies as well as: Intel Microelectronics Services, Open-Silicon, Brite Semiconductor, Anasage, HiSilicon, High Bitcoin, PeerNova, StarFive, LeapFive, ChinaFive, SemiFive, Lampro Mellon, Global Semiconductor Group, GS Microelectronics, and RapidSilicon. In addition, he has successfully raised over \$500M in funding from leading venture capitalists and created over \$3B in value.



Dr. Sherwani earned both a Ph.D and a Master's degree in Computer Engineering at the University of Nebraska-Lincoln and a B.E degree at NED University in Karachi, Pakistan. During his time in NED, he started his first company known as, The Coaching Center at the age of 18. It went on to become a technical training college with 225 students and 11 employees within three years.

After receiving his Ph.D in 1988, Dr. Sherwani served as a professor at Western Michigan University for six years before joining Intel in 1994. At Intel, his work focused on the design automation of some of the complex chips of that era. In 1999, he founded Intel Microelectronics Services, raising funding from Intel Capital, where he pioneered an open methodology for EDA.



Later, he founded Open-Silicon in 2003 and raised funding from leading VCs including, Sequoia, Norwest, and Interwest. Open-Silicon became a leader in chip design services. Later, it got sold to PE in 2008.

He founded Brite Semiconductor in 2008, a

leading solution provider in China/APAC. He raised funding from leading VCs in China including, Gobi Ventures. In 2012, it traded to SMIC.

Afterwards, in 2013, he started three companies: Anasage, an enterprise sales analytics company. Hisilicon, a Serdes company. Lastly, PeerNova, a blockchain-based financial services company. In 2016, he raised funding for PeerNova from leading VCs including, IVP, Mosaic Ventures, and others.



During 2018-2019, Dr. Sherwani has co-founded four new RISC-V-related companies in China, Korea, and Pakistan including, StarFive, LeapFive, and ChinaFive in China, SemiFive in South Korea, and Lampro Mellon in Lahore, Pakistan.

Recently, he founded Global Semiconductor Group, GS Microelectronics (an OSAT company), and RapidSilicon (an FPGA company).

Earlier in his career, as a researcher and an academic, his area of research included VLSI, EDA, combinatorics, graph theory, and parallel computation. He published several books, including the textbook on-chip design and *Algorithms for VLSI Physical Design Automation*. This book is a standard textbook in graduate classes in most leading universities worldwide. He has also authored over 125 technical articles on various aspects of VLSI Physical Design Automation and ASICs,



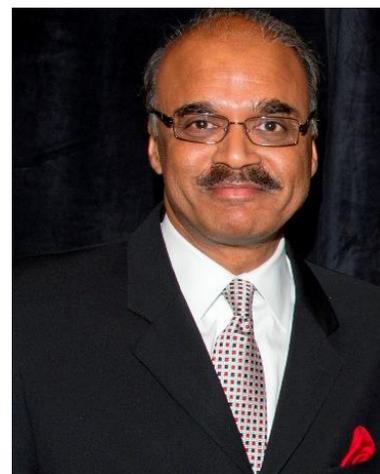
which got printed in leading publications and conferences, with many of them receiving best paper awards.

Dr. Sherwani also supervised several masters and Ph.D students over the years. Many of his students have become famous on their accord by founding many companies and serving in major international companies.

Dr. Naveed Sherwani was awarded Sitara-e-Quaid-e-Azam in 2019, by President Arif Alvi, for his contributions to microelectronics and charitable activities in Pakistan. It was a very proud moment for Dr. Sherwani and his family.

Anwer Hasan

Mr. Anwer Hasan has graduated from Mechanical Engineering, NED University in 1979. He also obtained an MS degree in Engineering Management from Nebraska, USA. He has been working as Senior Vice President at WSP USA Inc. In addition, he has certification in “Leading Professional Services Firm” from Harvard Business School, “Essentials of Effective Management” from Wharton Business School, and Registered Professional Engineer in Pakistan.

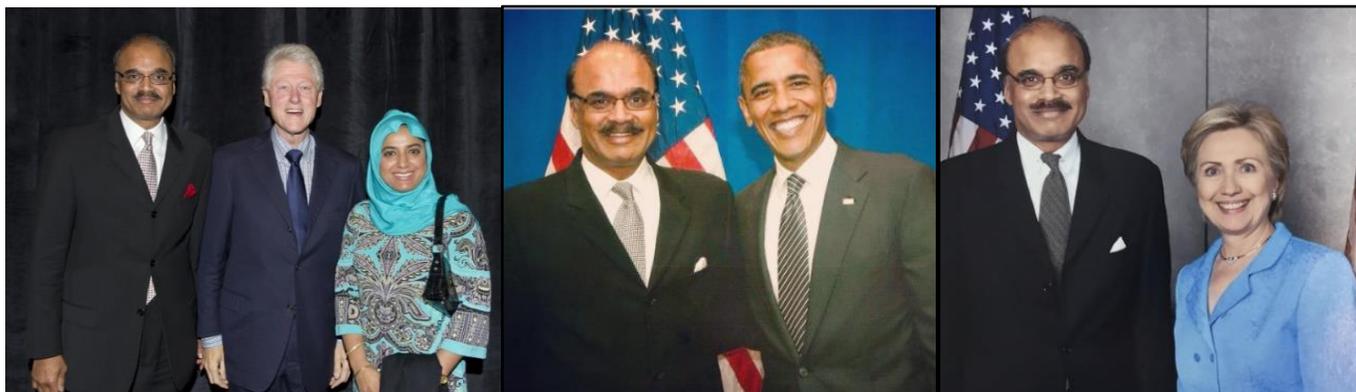


Mr. Anwer Hasan has more than 38 years of comprehensive experience in Regional Operation, Business Unit Management, Programme and Project Management for transportation, water/wastewater, stormwater, school, solid waste, and water quality projects. He has been in Washington Metropolitan Area for over 25 years. He has assisted the Loudoun County, City of Baltimore, Baltimore County, and the Baltimore City Public School System in the organization and management of the Capital Improvement Programme, which has brought greater predictability, accountability, and identification of deficiencies. Additionally, he has been actively engaged in the Chesapeake Bay Clean-up with Sanitary Sewer Overflow Consent Decrees, ENR upgrades, and stormwater improvements.

Currently, he has been chairing Maryland Higher Education Commission; and member of the Governor’s P-20 Council, a Member of the City of Baltimore DPW Clean Committee, and a Member of, Howard Hughes Columbia Development Diversity Board.

Formally he chaired Governor’s Commission on Middle Eastern American Affairs in 2015, & Requirement Committee for BRAC Forces for Howard County; Co-Chaired Governor O’Malley’s Transportation Transition Team twice in 2007 and 2011, Baltimore County Executive Infrastructure and Transportation Transition Team in 2019.

Besides, he was a board member and part of several organizations, teams, and commissions. The Maryland Aviation Administration Commission, Public Works Transition Team Howard County, Baltimore Mayor Catherine Pugh Sanitation Transition team, Baltimore City Advisory Council on Minority, and Women-Owned Business Enterprises. He was also a member of the delegation for President Obama in 2012 from District 3-Howard County.



Owe to his services, he has been bestowed with Daily Record Influential Marylander Award in 2016, Martin Luther King Howard County Commission, Community Service Award, and Maryland State Department of Education Award for community service and minority achievement. He has also received Citations from Governor and Mayors for Public Service.

Asim Murtaza Khan

Mr. Asim Murtaza Khan is a Mechanical Engineer by profession. He graduated from NED University of Engineering and Technology in 1979. Besides, he is also the alumnus of University of Manchester Institute of Science and Technology, UK and Kellogg School of Management, Northwestern University, USA.



He has been serving on pro bono basis, since 2015, as CEO of the Petroleum Institute of Pakistan, a think tank of petroleum industry, registered as a not-for-profit organization.

Prior to that, he had served Pakistan Petroleum Limited (PPL) for over 32 years on key positions and superannuating as CEO and MD. He was also responsible for Bolan Mining Enterprises, a 50:50 joint venture of PPL and Government of Balochistan for mining of barites, iron ore and lead-zinc and made significant contribution to develop these resources. Besides, he was one of the founding directors of PPL’s overseas subsidiary companies, PPL Europe E&P limited and PPL Asia B.V., making PPL the first public sector company to venture in international exploration and production.

It was due to his management distinction, that he continued PPL’s legacy of excellence by clinching a number of prestigious awards, which chiefly include, the Karachi Stock Exchange Top 25 Companies Award, the Management Association of Pakistan’s (MAP) Corporate Excellence



Award, the Best Corporate Report Award, the Corporate Philanthropy Award, and the Occupational Safety, Health and Environment Best Practices Award.

His unending perseverance broke the myth that Balochistan had become inaccessible for petroleum exploration. Through skillful engagement with the stakeholders, he succeeded in commencing exploration activities in some of the areas considered to be most “unwelcoming”. His business acumen led to an Austrian exploration and production company into two joint ventures

with PPL in Balochistan, affirming that Balochistan was indeed accessible and open to foreign investment in petroleum exploration and production activities.



In the past, he was the chairman on the Board of Pakistan LNG Terminals Limited (PLTL) and Petroleum Institute of Pakistan (PIP). He served on the Boards of Pakistan Institute of Corporate Governance (PICG), and the Community Development Board of the Government of Sindh. He was a Member of the Executive Committee and Vice Chairman of the Pakistan Petroleum Exploration and Production Companies Association (PPEPCA) and the Chair of the Technical and Operations Committee of PPEPCA. He was also on the Management Committee of

Overseas Investment Chamber of Commerce and Industries (OICCI) and is currently the Chair of Upstream Expert Group of the Energy Committee of OICCI..

The Honourable Chief Minister Sindh, Syed Murad Ali Shah has recently nominated him as the Member Senate, NED University of Engineering and Technology, under the category of Eminent Engineers & Expert. Prior to this, he was nominated as Member of the Academic Council in the same category. Due his expertise in the petroleum sector, he is also currently the Chairman of the Advisory Board of Department of Petroleum Engineering, NED University of Engineering and Technology. In his continued association with NED, he endeavours to enhance the quality of the programmes through regular reviews in order to not just meet the requirements of the industry but to make NED graduates stand with the best around the globe.

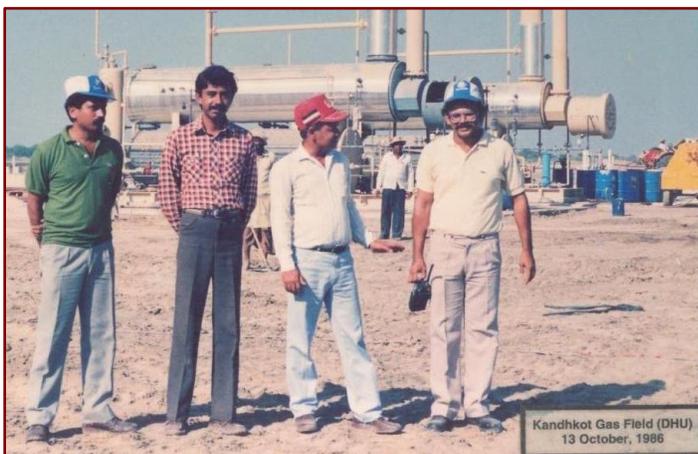


He is one of the founding members of NED International Alumni Network Association (NEDIAN)



Pakistan registered under the Societies Act 1860 and is elected as its president. He is one of the active members of Central Council Member and a fellow of the Institution of Engineers Pakistan (IEP).

His spectrum of pro bono involvement in the social sector includes vocational skills development. Since 2015, he is on the Management Committee of Karigar Training Institute, which imparts vocational training to enable young, literate and semi-literate men and women from the less privileged



sections of society to become economically independent, through acquisition of specialized vocational skills.

Besides, in the social development sector, he also served as the President of Rotary Club of Karachi Darakhshan, R.I. District 3271 in 2020-21. In recognition of his services, he was nominated for the COVID-19 Hero Awards, instituted by Rotary. He received the District Award in

recognition of special efforts for maximum virtual meetings and events to keep the Rotary agenda functional during the pandemic lockdown periods. He led the club proactively throughout the tenure and his focus to date remains on promoting literacy for the masses and healthcare for the impoverished.

Anwar Khan

Anwar Khan graduated in Mechanical Engineering in 1981 from NED University of Engineering & Technology. He has also obtained an MBA degree from Indiana Wesleyan University in management in 2002. He is a certified Quality Auditor, a member of the American Society of Quality, a certified National Baldrige Examiner, Certified trainer of Maxwell DISC Method of Behavioral Analysis, and has been a Certified coach, trainer, teacher, and speaker from The John Maxwell Team since March 2017.



In 2004, upon his visit to the camps in Bangladesh, he learned about the dire situation that the internally displaced, Urdu/Bihari speaking community has faced for decades which inspired him to lay the foundation of OBAT Helpers, a non-profit organization dedicated to improving the life of this forgotten community living in the camps for the last 50 years. Since 2017, OBAT has also been deeply involved in the Rohingya refugee crisis in Bangladesh. The goal of OBAT (www.OBATHelpers.org) is to empower communities by providing education, medical, water,

housing, capacity development, and other basic needs with a unique focus on youth development.



At OBAT Helpers, he has successfully developed, monitored, and completed projects in different sectors of Education, Self-Empowerment, Health, and community development, etc. Presently, he has managed more than 53 educational programmes (13 schools, 9 computer training centres, 10 Tutoring centres, 32 Pre-Schools, 3

Educational centres for working kids, etc.). Two health clinics serve thousands of people every year and almost 2000 women got help to be self-empowered through our micro-finance projects.

Anwar recently founded the U.S.-based Global Excellence Consulting Group (www.theGECG.com). GECG focuses on quality management systems for businesses and nonprofits and provides training, coaching, and mentorship to increase organizational leadership and development. GECG is the parent company of Pakistan-based Engineering Services and Architectural Consultants (www.ESAConsultant.com) which has successfully completed large-scale projects in Pakistan and America.



In 2014, he joined the General Motors (GM) Supplier quality group based on his previous experience with GM stamping and assembly plant. Starting working with GM in 1998, he implemented and improved processes and procedures, resulting in efficiency and productivity, and successfully implemented and maintained ISO 9001. He also implemented the GM Internal Quality Management System at the GM stamping plant in Indianapolis, Indiana, and achieved more than 400 % improvement in the BIQS process. He also developed one of the best audit teams in General Motors, selected for the "People Make Quality Happen Award". Furthermore, he also Implemented ETQ, a web-based document control system for a paperless environment.

Anwar is also the founder of the Career Coaching Center in Model Colony, Karachi, Pakistan which is an educational centre that provides after-school tutoring to help students to improve their educational excellence and prepares them to qualify for the aptitude test to get admission at professional colleges and universities.



He still remembers the days when he was in 2nd year and got admitted in the hospital with a diagnosis of ASD (Atrial Septal Defect). Knowing he was in need, the NED fellows, students, leadership and staff joined hands together and started a campaign to support the open

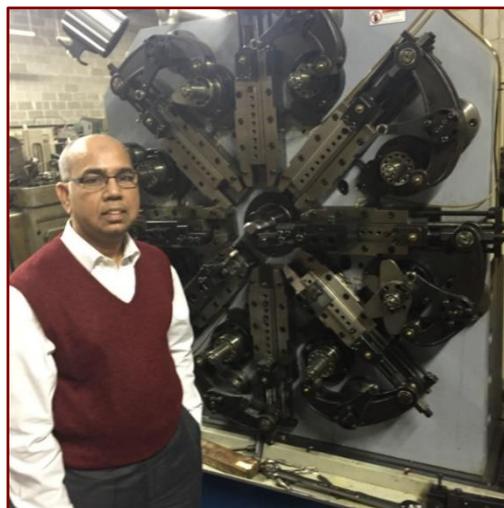
heart surgery financially and the collection of the rare blood (AB-). This was a unique effort by students for a fellow student which led to a successful surgery conducted at Mid-East Hospital Karachi by Dr. Ghaffar Jatoui. Witnessing this compassion and the value added by fellow NEDians played a part in the creation of OBAT Helpers.

Connect Anwar at anwarukhan@gmail.com

Khawar Anwar

Khawar got admission in Bachelor’s programme at NED University in 1977 in the department of Mechanical Engineering. He also obtained has Master degree in mechanical engineering from City University of New York in 1986 and got a job at Precision Gear Manufacturing Company based in Long Island, New York.

After joining the company, he started actively working in American Gear Manufacturing Association in 1989 and became the Vice Chairman of the Fine Pitch Gear Committee of American Gear Manufacturers Association. This committee was responsible for developing industry standards for fine pitch gears. He was personally responsible for verifying mathematical models of standards and helped publish detailed design standard of face gears as there were no standards available for face gears before.



He was Vice President of Engineering at the Precision Gear Manufacturing Company until 2003. After that, he started his own gear design and development company, All American Mechanical Components and Gears, Inc. in Farmingdale, New York.

His company quickly made a good reputation among the users of fine pitch gearing because of his expertise in gear design and application for fine pitch gearing for all types of high precision instruments.

He has designed many gears for large aerospace, biomedical, semiconductor, avionics, dental, flight simulation, cockpit instrument, and satellite companies. His company also exports gears internationally to other countries where they need precision fine pith gears.

These gears are high precision for demanding applications designed and developed for customer specifications. National and International Customers approach him to develop difficult to make gears and seek his expertise and assistance to solve gear application issues. Gears designed by him will be going to Jupiter moon Europa and have been used in various Space Instruments, Guidance and Control Systems, Dental Hand Pieces, Semiconductor Inspection Machines, Medical Diagnostic Equipment and Cockpit Instruments of Advanced Aircraft. His precision gears manufacturing required precision tooling which he specially got developed in Switzerland and Japan.



Mohammad Abbas Sajid

Engr. Mohammad Abbas Sajid graduated in Mechanical Engineering from NED University in 1982. At the time when the concept of entrepreneurship was rare, he stepped into entrepreneurship and established his own organization “Engineering Services”. Engineering Services is one of the leading Mechanical Engineering firms of Pakistan which provides HVAC, Mechanical, Plumbing, Firefighting and Industrial Engineering Services. He proceeded under a USAID Scholarship to University of Pittsburgh Katz Graduate School of Business and got admitted in “Management Program for Executives” in business administration. After his post-graduation, he gradually touched the pinnacles in his career progression. He expanded his business in Pakistan and Afghanistan.



Due to his expertise and standing in the HVAC field he became a founding member of ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) Pakistan Chapter and served in its various committees and also as President of ASHRAE Pakistan Chapter. He has also served as Sub Region Chair (South Asia) ASHRAE RAL, and also currently serves on the Nominating Committee and Honors and Awards Committee of ASHRAE. He is also currently chair of ASHRAE RAL Honors and Awards Committee.

Owing to his services and contributions, he has received the Chapter Service Award and Regional Award of Merit from ASHRAE, USA. He has organized and attended numerous conferences and expos of ASHRAE nationally and internationally.

Mr. Sajid is a senior member of the Pakistan HVACR Society and has also served as the President of Pakistan HVACR Society. He is the recipient of the prestigious Life Time Achievement Award from Pakistan HVACR Society for his outstanding services to the Society and for disseminating technical knowledge among the members of the Society. During his tenure, the HVACR Society witnessed tremendous growth and recognition. Under his prowess leadership, the 26th HVACR and Building Services was arranged in 2019 which was the largest ever International HVAC Expo and Conference in the history of Pakistan.



He is also CEO of S&M Engineering Services (Pvt) Ltd, CNG 2000 Plus and Energy 2000 (Pvt) Ltd. Besides, he is also the current General

Secretary of Pakistan Society of Plumbing Professionals (PSP) and CNG Station Owners’ Association of Pakistan.

He also provides his expertise as a member of Federation of Pakistan Chamber of Commerce and Industry (FPCCI) and Karachi Chamber of Commerce and Industry Committees on Building Construction, Environment, Petroleum and Petroleum Products and Foreign Investment.



Being so successful in his professional life, his love for his alma mater forced him to unite all alumni around Pakistan under one roof. After tireless efforts, he along with other NEDians in Pakistan laid the foundation of NED International Alumni Network (NEDIAN) Association in 2019. He is the General Secretary of NEDIAN and was instrumental in the organization of the NEDIAN event in 2019 in Karachi attended by around 5000 NEDians. Mr.



Sajid has been a great supporter of NED University and is responsible for the establishment of various scholarships and mentorship programmes at the university. He also serves on the Advisory Board of the Department of Mechanical Engineering and has helped it in the implementation of the OBE (Objective Based Education) programme, revamping and upgrading of the Heat Transfer Lab, repair and calibration of the Wind Tunnel, donation of equipment and repairing of various other equipment. He laid the foundation of the ASHRAE NED Student Branch and has organized many programmes of ASHRAE at the university bringing in ASHRAE Distinguished Lecturers and Local experts in different fields of Engineering. He has always encouraged student and faculty involvement in ASHRAE programmes so they can interact with the seniors in the industry and gain from networking with them. He is a great proponent of University – Industry Liaison and has held many programmes at NED University. He has been arranging internships to many students over his long association with the university.

Shehla Siddiqui and Ali Adil Khan

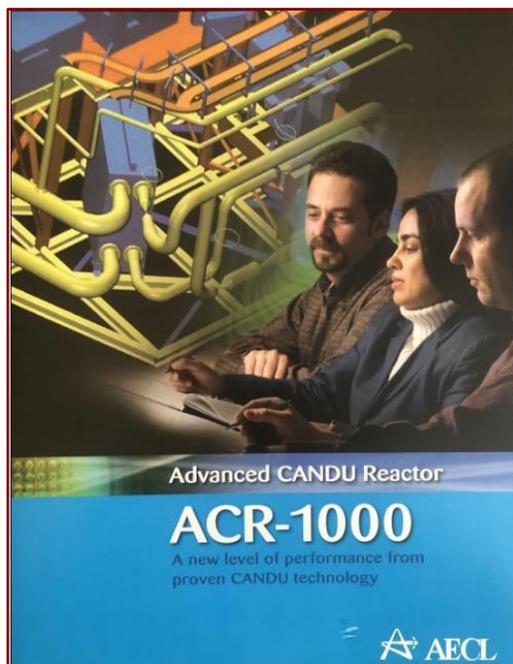
Shehla Siddiqui and Ali Adil Khan earned their degrees from NED University in 1984, in civil and mechanical engineering, respectively. Shehla and Adil went their ways before reuniting at the PNSC Building's elevator in Karachi in 1989. Shehla worked for NESPAK and was a member of the team working on the new Karachi Airport at the time, having previously worked for two major consulting firms, FND Consultants and Mushtaq and Bilal Consulting Engineers. On the other hand, Adil had recently joined Exxon Chemical (Now Engro Corp) after returning from the United States, where



he had completed his MBA and worked for Schlumberger as a field engineer on oil rigs in Indonesia and Australia. As Exxon ownership was transferred to its employees, Adil was entrusted with conducting the first management buyout in Pakistan.

In 1991, Shehla and Adil moved to Canada to work and raise a family. Both have had successful careers working in the nuclear, oil & gas, transportation, and technology industries. For example, while working at the Atomic Energy of Canada Limited (AECL), Shehla was a key member of the team that designed the Advanced Candu Reactor. Currently, Shehla is employed by the Toronto Transit Commission (TTC) as a senior structural engineer. She is responsible for ensuring the structural safety and integrity of TTC underground tunnels and new stations.

Adil spent more than 20 years with Ontario Power Generation, where he developed their Sustainable Energy Development Plan, strategic business plans, and feasibility for new hydroelectric and nuclear plants. He is currently the head of Cognitive Process Services at IBM Canada, where he is in charge of embedding new exponential technologies such as Artificial Intelligence (AI), Robotic Process Automation (RPA), the Internet of Things (IoT), and Blockchain into Intelligent Workflows, allowing companies to leapfrog to the Cognitive Enterprise.



Shehla and Adil are both active members of the NED Alumni Association of Canada. In 2019, they established the SAGA Foundation (Shehla and Adil Giving For Arts Foundation), a non-profit organisation dedicated to promoting Pakistani and other South Asian artists in Canada and across the world. In addition, Ali Adil Khan initiated and established a scholarship in honour of Dr. Muzzaffar Mahmood, Professor Emeritus in Mechanical Engineering and Dean of the Mechanical Engineering Department, in 2021. Funds for the scholarship were raised through batch mates, and



one student from The Citizen Foundation College will receive a grant to cover tuition for their four years of education at NED University.

Shehla and Adil are indebted to NED and its teachers for providing a firm foundation that enabled them to embark on new ventures and positively impact society. In addition, they had fond memories of the new NED campus, which provided a great atmosphere to learn and excel.

Shehla described: “When I walked into NED after my intermediate, I fell in love with the new campus and modern state-of-the-art architecture. In addition, there were 12 female students in the entire civil engineering programme. Although it was intimidating at first, I felt we were treated

with respect and equality, and we even had some special benefits, such as being given a front-row seat in lineups and seats.

I especially remember Dr. Makhdoomi, Dr. Alvi, Prof. Afaq, and Mr. Fahim. They imparted the basic principles and groundwork I stand today working alongside engineers from international institutions in China, Europe, Iran, Egypt, and India. As a structural engineer, I have had a career spanning high-rise buildings, the industrial sector, the nuclear industry, and the transportation area in Toronto. I feel very proud that NED is well-recognized in North America, and I am aware of former classmates who have established their own companies in the United States.”



Adil and Shehla advised the current NEDians to focus on their studies and university. It will take them as far as they want to go. “Your education is no less than any education abroad.”

Safwan Shah, Ph.D



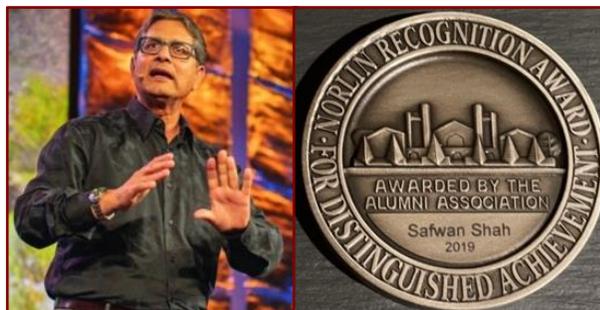
Safwan Shah graduated from NED University in electrical engineering in 1985. After working in Pakistan for 3 years, he moved to the US. He got an MS in electrical engineering (‘90) and a Ph.D in aerospace engineering (‘94) from the University of Colorado at Boulder. Later he attended Stanford University and graduated from the Stanford Executive Programme (‘09).

Safwan is a serial entrepreneur and lives in the US. His expertise is in financial technologies (fintech). He is currently the founder and CEO of Payactiv, which invented Earned Wage Access (EWA), a way for lower-wage workers to get paid as they earn and avoid costly loans, penalties and the shame of borrowing from others when they have already earned funds. Payactiv has won numerous awards and recognition for its social impact and product innovation.

Thousands of businesses in the US and millions of employees rely on Payactiv.

Earlier, Safwan founded Infonox, a business that aggregated multiple financial services from banks, and other financial institutions on the cloud. Infonox was acquired by Total Systems (now called Global Payments) to expand its payment business.

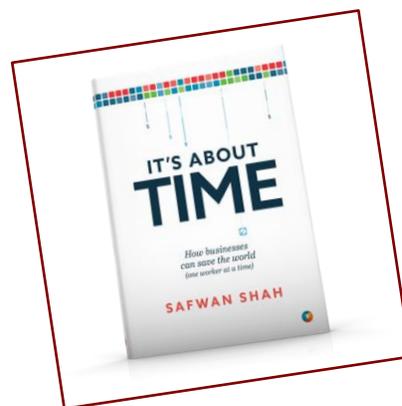
Before Infonox, Safwan was a researcher at BioServe Space Technologies, a NASA



centre for commercial development of space, and contributed to several experiments that have been flown in the US Space Shuttle Programme.

In late 90s, Safwan Shah co-founded “Chowk”, one of the world’s first social networks that remained the foremost social website used by people of Indo-Pak for discussion and dialog on political and social issues. Several million people annually visited Chowk.

Safwan is a noted public speaker with 2 TEDx talks and many keynote speeches. His book, *It’s About TIME*, was published by Conscious Capitalism Press in 2019, and his work has been featured in major publications like NYT, WSJ, etc.



In 2019, exactly 25 years after graduating with his Ph.D., Safwan received the George Norlin Award, the *highest alumni honor for his devotion towards the betterment of society* from CU Boulder. Safwan Shah has taught classes at Haas School of Business at the University of California, Berkeley, and Baskin school of engineering at UC, Santa Cruz.

Dr. Khurshid Qureshi

Dr. Khurshid Qureshi graduated in Mechanical Engineering from NED University in 1988. Apart from that, he earned his MBA degree in International Business from Xavier University, Williams College of Business, and Ph.D. in Mechanical Engineering from the University of Michigan, Ann Arbor in 2001.



Despite living a very satisfied and successful life in the United States, Dr. Qureshi had a dream that became an obsession and a passion. He is curious to see his motherland, Pakistan, flourish, in every possible way and become a truly self-sustainable and developed country.

His passion for his motherland can be evaluated from a question he always asks himself and others, "I want to see Pakistan as one of the most socially, technologically, and economically advanced, and prosperous nations of the world in my lifetime! Does it seem like an insurmountable task? Sure, it does, but is it possible? Yes, it is possible since many nations around the world have done it in a matter of one to two generations."

He is a visionary and a true patriot, who along with a large team of expatriate professionals, has been working tirelessly to foster a culture of capacity building and product development in Pakistan. He has worked closely with the Higher Education Commission (HEC), Pakistan Council of Science & Technology (PCST), British Council, and several other government organizations, industry, and well-known leaders all across Pakistan for the last 15+ years.

He pursued his dream very rigorously and it allowed him to lay the foundation of Distinguished Innovations in Collaboration and Entrepreneurship (DICE) in 2007 in Michigan, USA. The idea behind DICE, a non-profit organization, was to establish a culture of innovation, entrepreneurship, and indigenous product development in Pakistan so that more and more products in Pakistan could be labeled ‘Made in Pakistan’ and reliance on imports could be minimized. To achieve this purpose, he integrated the universities of Pakistan and created several platforms to exchange ideas, a culture of innovation, and self-sustainability.



Currently, DICE has been engaged in automotive, energy & water, health, textiles, information & enabling technologies, agriculture and food sciences, and more recently, creative arts & media. Besides the DICE mega innovation platform, which has been going on since 2007, DICE has also launched the DICE Youth programme to foster a culture of innovation at the high school and college level. In addition, DICE has launched innovation chapters in more than 20 institutions, from Karachi all the way to Gilgit and Chitral. Along with



the United States, where DICE originated, a UK Chapter of DICE has also been initiated to mobilize expatriates in the United Kingdom. Before launching the DICE Innovation programme in 2007, he had also been instrumental in bringing millions of dollars worth of free high-tech software aid to several major universities in Pakistan.

Recently, DICE has initiated NIB (National Innovation Basket). In a recent interview on the programme ‘World This Morning’, he said that as Pakistan is a developing country, it doesn’t seem to have a National Innovation System like other countries in the world. We can’t expect the government of Pakistan to do everything as it is already overburdened with large scale projects like dams and other infrastructure. So NIB is an initiative, a giving back to our motherland, and asks expatriates and leaders within Pakistan to play their role in building a better Pakistan by undertaking large-scale mega-projects such as the design and development of indigenous electric vehicles and electric batteries.



To develop Pakistan’s first electric vehicle, the DICE team of 30+ expatriate experts has been working closely with many universities and industries in Pakistan for several years now. In late December 2020, DICE signed an MoU with the Technical Education and Vocational Training Authority (TEVTA) Punjab. While addressing the ceremony, Dr. Qureshi said that his team chose TEVTA as one of the collaborators as they believed that



developing an EV skilled workforce is crucial for the future of Pakistan. There was a dire need to provide a platform to the skilled youth as it was the only way that could put Pakistan on the development track.

Besides, Dr. Khurshid is a world-renowned system engineering leader and is currently working for a US R&D centre of a large Chinese automotive company, leading systems engineering for self-driving vehicle programmes. His name was recently inducted into the 'Wall of Fame' at the company's headquarters in China as one of the 12 experts from across the world leading the technology development for the company. Before that, he worked for a technology company, Dassault Systems, as a Director of the Center of Excellence for Systems Engineering and Ford Motor Company as a Knowledge-Based Engineering (KBE) and Systems Expert for many years.

Naveed Afroz

Mr. Naveed Afroz graduated with a bachelor's degree in civil engineering, in 1988, from NED. University of Engineering and Technology. After being awarded a full scholarship, he completed his master's in civil engineering from the Asian Institute of Technology (AIT) in 1991. He acquired his M. Engr. in Transportation Engineering. Mr. Afroz is a registered professional engineer in Pakistan and the USA and a registered Project Management Professional.



After graduating from AIT in 1991, Mr. Afroz started his career as a highway design engineer working on the Second Stage Expressway System in Bangkok, Thailand. He worked on the geometric designs of the expressway system, including designs of multiple interchanges in urban and suburban Bangkok. Then, he transitioned to a field assignment to work on expressway construction, acquiring valuable field construction experience on segmental construction of elevated expressways systems. After working in highway designs and construction for a few years, Mr. Afroz was presented with a challenging opportunity to work in Power Delivery, a non-traditional field for civil engineers. He started working on civil designs of power substations of varying voltages from 115kV to 500kV, both conventional and GIS (Gas Insulated Systems). He then transitioned to work on power transmission line designs and management, a more appropriate track for civil engineers in power delivery. Mr. Afroz worked on power transmission lines specializing in transmission line permitting, analysis, and designs, including structural analysis and designs of steel lattice towers, steel, and composite poles of varying voltage levels up to 500kV.

Mr. Afroze worked for Black & Veatch, a global engineering and construction organization, for more than 18 years in multiple offices designing, leading, and managing POWER delivery projects in various countries in South East Asia and South Asia, China the USA. Currently, Mr. Afroze works for POWER Engineers, Inc., USA, an ENR rated consulting firm and one of the leading consultants in the POWER Delivery industry, in the capacity of Vice President leading a large team of project managers. He is currently supervising and managing multiple engineering accounts in the western United States. Along with his team, he manages more than a hundred million dollar's worth of POWER delivery engineering and expanded scope projects.



Over the years, Mr. Afroze has acquired in-depth expertise in project management specializing in earned value management, change management, and risk mitigation on large high-risk Power Delivery engineering projects & programmes, EPC projects, and expanded scope projects. He currently concentrates on leading his project management team, developing project management procedures and processes for the organization, and conducting training to advance the project management skillsets of lead engineers and project managers. He has also carried out multiple presentations and training on these topics on several platforms and events.



Lastly, Mr. Afroze noted that there are several NED graduates from his batch of 1983 and others who have done exceptionally well both in Pakistan and in several other parts of the world. The success of these graduates is primarily attributable to the excellent education and knowledge imparted by the learned and esteemed faculty of NED and their dedication to the cause thereof.

Ainee Shehzad

Ms. Ainee Shehzad graduated in Civil engineering from NED University in 1988. She also received a B.Ed degree from Karachi University and an MA in Education and International Development from the Institute of Education (IOE), University College London (UCL). She is a Commonwealth scholar.

She has a professional association with the College of teachers IOE-UCL and is a certified Cambridge Assessment International Education (CAIE) Programme Leader for Teaching and Learning and Educational Leadership. In addition, she was selected as a Cambridge CAIE Trainer from Pakistan.



Ainee has an enormous contribution to the field of education in Pakistan. She has been affiliated with the education sector since 1990 and has served as Deputy Head Mistress, Blessing Public School; Ex-Head of the Department of the Continuing Professional Department, Ex-Director of Studies, Karachi Grammar School and currently serving as Principal Habib Public School.

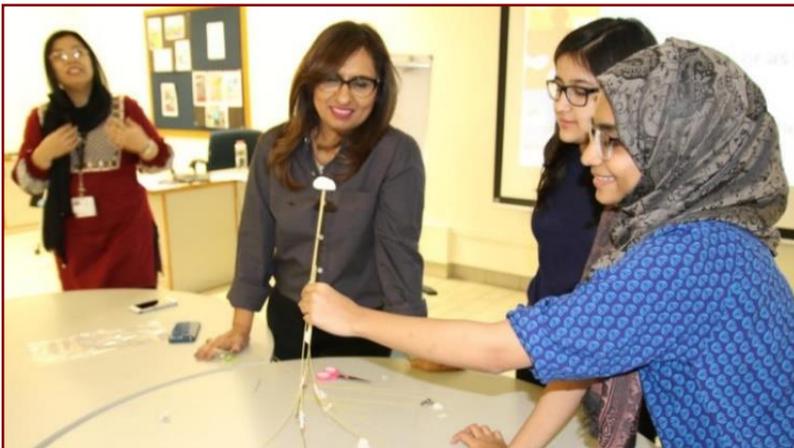
She has been honoured with the awards of Ponds Miracle Woman, Karachi Grammar School Achiever Award, and Valedictorian in MA Education and International Development.



Ainee is currently conducting bespoke training sessions, as a Cambridge trainer, for the Higher Education Commission for nearly 750 College principals in Punjab. She presented at Cambridge Conference in Lahore in 2018 and co-facilitated Lee Davis, Assistant Director, Professional Development at Cambridge International Examinations at the Cambridge Schools Conference in 2016; Dr.

Eleanore Hargreaves (UCL, IOE, Teaching, and Learning) in 2014; & Joyce Macfarlane (UCL, IOE, Leadership, and Learning) at the TAKE Conference in 2014, & 2013 respectively. TAKE is an international scientific conference devoted to the multidisciplinary study of the knowledge economy. She has been invited as a speaker, panellist, and moderator at educational seminars and conferences since 2016.

She has revised and updated a coursebook for B.Ed and M.Ed published by National Book Foundation. She reviewed an O-Level Mathematics book for Paramount Books, Modern Mathematics Secondary 1A by Wendy Brady. In addition, she has authored articles on education and gender in local publications and international forums such as ‘Equa’s- Oxfam, Daily Dawn, The News, Express Tribune, The Herald, and online discussions.



She is also a member of the Education Committee of Bahria Foundation; Board of Trustees, MALC; Board of Trustees, Karachi Biennale Trust; Board of Trustees, Qurtuba School-CalPak Education; Development in Literacy Committee. She is also the chairperson of the MALC fundraising committee, external mentor at IBA, Karachi, and Pro bono Teacher Trainer for underprivileged schools.

Despite such engagements, she also runs her own business, “Ainee Shehzad Furniture and Interiors,” and works as a lead designer and successfully leads an event planning company called Milestone Events.

Muhammad Asim Baig

NEDian Muhammad Asim Baig is a mechanical Engineer of batch 89-90 with an MBA in Marketing. He is the CEO and founder of a training and certification company based in Bahrain with branches all over the Middle East. This company is the leading consulting and training company and serves the region's leading companies like Saudi ARAMCO, SABIC, Saudi Electric, TOTAL, SHELL, and ADNOC. He is also President of the NED Alumni Forum of Saudi Arabia. This forum has been actively conducting seminars and conferences for NEDians in KSA and contributing to the shape of scholarships to the deserving students of NED. He is a Senior Management Consultant, Speaker, Trainer, and Auditor with experience of more than 25 years of expertise in Quality, Environment, Health and Safety, Food Safety, and HR. He has been giving lectures and seminars on different management topics both locally and internationally.



He started his career in the automotive industry in Pakistan and worked in the oil and gas sector. He moved to Saudi Arabia in 2000 and worked for several multinational companies. He finally made his own company in 2014 and now running his own company serving more than 500 companies in the middle east. Saudi Arabian Quality Council awarded him the First Quality Manager of the year for Saudi Arabia in 2009. He got Diamond Award Winner from the European

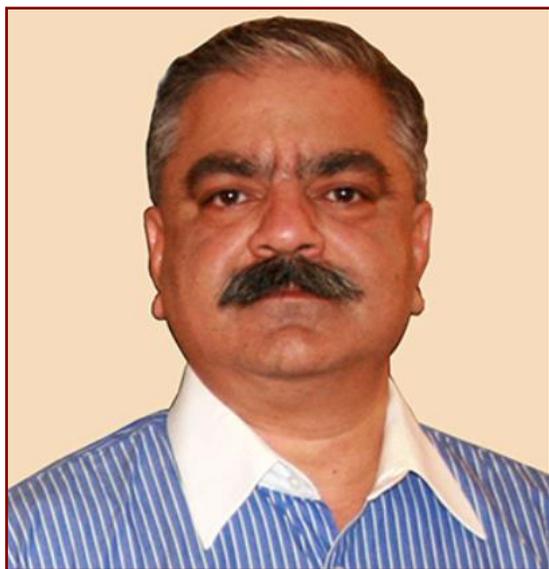
Society of Quality in 2013. In 2015, he was nominated by Who's Who USA for excellence in Leadership in 2015, Toastmaster, and awarded Competent Leader (CL) and Competent Communicator (CC) by TMI in 2016. He is also President of Middle East Quality Management Professionals.

Mr. Asim is a certified lead auditor in several functions of ISO, ARAMO, ASQ-US, certified lean manager from ASCB UK, and certified Six Sigma Black Belt.



Besides, he is a prominent member of several international organizations. Some of them are the American Society of Quality, the International Society of Business Leaders – USA, the American Society of Training & Development, Saudi Arabian Quality Council, Saudi Engineering Council, Toastmasters, Who's Who USA.

Amir Bhatti



Mr. Amir Bhatti (batch 1984-85) graduated in 1990 from NED University of Engineering & Technology before joining Pakistan International Airlines (PIA) in 1991.

He is a licensed Professional Engineer (P. Eng.) from Ontario Professional Engineers and holds an MBA from Richard Ivey School of Business, University of Western Ontario.

He is a versatile and accomplished Senior Executive with a record of achievement transforming and underperforming businesses into profitable and competitive business entities in industries, including Aerospace, Aviation, and Technology. He has over 30 years of success in Product Design and Development, Certifications, Maintenance, Safety, Quality Control, and Airworthiness activities with demonstrated proficiency in tactical planning and strategic execution throughout the product lifecycle. Noted for building and leading high-performance organizations that provide timely solutions to business challenges.

He is currently the CEO of a Toronto-based Avionics manufacturing company trading on the Canadian Stock Exchange. The company is in-flight data acquisition, processing, and transmitting flight information in real-time as the aircraft is flying.

He also worked for Bombardier Aerospace, De Havilland Aircraft of Canada, and Pratt & Whitney Canada, major OEMs in the Aerospace industry. He is a part-time Professor at Centennial College, Toronto, Canada, and teaches Gas Turbine Engines and Airworthiness courses at Pratt & Whitney Canada. He served as Person Responsible for Manufacturing Activities (PRMA), a Transport Canada Civil Aviation (TCCA) designation for the companies he worked for in the Toronto area.



While at PIA, his responsibilities included Airworthiness Certification of Heavy Commercial Jets with CAA Pakistan issued AME licenses. His expertise included flight safety, ramp safety, maintenance operations, and dispatching multi-million dollar flights on the airlines' network every day. In addition, he served as Person Responsible for Maintenance (PRM) for VVIP Presidential Flight at Islamabad airport.

He was formally trained at the Pakistan Air Force Institute of Air Safety for his Aircraft Accident Investigation certification. This training was instrumental for him to be the team lead on Malaysian Airlines flight MH370 investigations after its disappearance over the Indian Ocean. His work at the investigations in Kuala Lumpur under International Civil Aviation Organization (ICAO - Montreal) and International Telecommunication Union (ITU - Geneva) was incorporated into the



ICAO's mandatory regulations under the Global Aeronautical Distress Safety System (GADSS) globally. As per the GADSS programme, every new build of any aircraft must have this kind of technology before the aircraft rolls out of the factory.

Additional success as the Inventor of a Thermoelectric Power Generator using Novel Heat Transfer Systems. Conceived electricity generation design, prototyped, and filed patents in the US, Canada, Worldwide PCT, India, and Pakistan utilizing expertise in Heat Transfer (specifically using heat pipes – two-phase heat exchange), Thermodynamics, Fluid Mechanics, and Thermal Management Systems. 120 units were installed in the remote villages of Booni/Mastuj in the Chitral area, Gilgit/Hunza/Karimabad areas, and Passu Glacier villages with the assistance and support of the Agha Khan Foundation, Pakistan.

Amir lives in Mississauga, Canada, and enjoys golf, fishing, glider flying, and photography.

Obaidullah Kehar

Mr. Obaidullah Kehar graduated in Mechanical Engineering in 1990.

After working for several engineering firms and Media for ten years, he migrated to Islamabad.

He has been the most popular belletrist, article writer, photographer, documentary filmmaker, and blogger. He also worked as a National Consultant in the Food and Agriculture Organization of the United Nations (FAO).



He has been started his journey as a writer in 1982. His first story for the children was “لاهور کا سفرنامہ” published in بومرد نونہال. His first professional article “وادی سوات کی خزاں میں” in “روزنامہ مشرق”.

In October 1987, he wrote his article “سندھ سے سنکیانگ تک” in “روزنامہ جسارت”, while in November 1987, his detailed article about China “قراقرم کے پار” was published in the weekly newspaper “اخبار” in several episodes. In 1988, he started to write a brief introduction for the cities of Pakistan for “ماہنامہ رابطہ” which continued till 2000. Then in 2000, he wrote his article regarding Iran “کیسپین کی چاہ میں” in “روزنامہ امت” in serials. He is the writer of Urdu’s first digital book “دریا” which was published in 2002. In 2007, he started to write in روزنامہ امت a new article series with the title “سفر کہانیاں” till 2011. His article “دریاؤں کے دیس میں” and “سفرنامے یار” and “روزنامہ جسارت”. Now he has been writing blogs for Dawn News Urdu web since 2017. He published his book related to memories of Karachi “کراچی جو اک شہر تھا” in 2019 which gained immense among the citizen of Karachi. Until now he has total 10 books and 2 Travelogue collections.



Farhan Ahmed

Mr. Farhan Ahmed graduated from NED University of Engineering & Technology in 1998. He belongs to the batch of 1993-1994. He started his professional career as a Mechanical Engineer in the local chemical manufacturing industry but shortly developed an interest in the emerging field of quality management and compliance. As a result, he moved to a local consulting firm and worked there for approximately three years as a Senior Consultant and Trainer. During this time, he supported dozens of local and international businesses in implementing quality, environmental, occupational health & safety, CSR strategies, and management systems. In addition, he trained hundreds of professionals in the mentioned fields.



Mr. Farhan Ahmed joined a leading French multinational company, Bureau Veritas, in the field of Testing, Inspection, and Certification in 2002 and played a key role in providing certification services to renowned organizations in Pakistan. He moved to the Middle East (Dubai, U.A.E.) in 2007, and from 2007 to 2015, he worked as a Country Manager and Middle East Regional Director where he supported the company's operations in eleven countries.



Mr. Farhan Ahmed moved to the U.S.A. in 2015, where he continued his journey of career success and worked as Director and Head of North America operations for Bureau Veritas and RINA S.P.A. respectively. He is currently based in Houston, Texas, working as Head of North America operations for a leading Italian company in the Testing, Inspection, and

Certification field.

In addition, he has served as a Third-Party Lead Auditor and instructor for over eighteen years in Quality, Environment, Occupational Health & Safety, Energy, and Social Compliance management fields. He has supported hundreds of organizations in achieving their certification and compliance management goals.

Mr. Farhan Ahmed's career journey demonstrates the power of education and the role of NED University of Engineering and Technology in transforming his life from a young student from a modest middle-class family to a C-Suite executive.



Prof. Kamran Arshad

Prof. Kamran Arshad graduated from NED University of Engineering and Technology in 2000 in Electrical Engineering and completed his Masters in Science (MSc) in Wireless Communications from the King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia in 2003. After serving KFUPM as a lecturer in Electrical Engineering, Prof. Arshad moved to UK, and completed his Doctor of Philosophy (Ph.D) in Computer Science from Middlesex University, London in 2007.



Prof. Kamran Arshad is currently Dean of Graduate Studies and Research and a Professor in Electrical Engineering at Ajman University, UAE. Before joining Ajman University in January 2016, he has been associated with the University of Greenwich, UK as a Senior Lecturer and a Programme Director of MSc Wireless Mobile Communications Systems Engineering. From 2007 to 2008, Prof. Arshad worked with the *Institute of Advanced Telecommunications* at Swansea University, and from 2008 to 2012, Prof. Arshad was associated with the *Centre of Communications Systems Research* at the University of Surrey in the UK.

While at the University of Surrey, he was involved in Europe's largest project related to Cognitive Radio research, End-to-End Efficiency (E3). Dr. Arshad also worked as a project manager (coordinator) at the University of Surrey for the European large-scale Integrated Project (IP) QoS MOS and lead the University of Surrey team involved in project QoS MOS. Prof. Arshad also contributed to several other large-scale European projects (e.g. Acropolis, OneFIT, and C2Power) and EPSRC/DST funded project India-UK Advanced Technology Center (IUATC).



Prof. Arshad is a Senior Member of IEEE (SM-IEEE) and a Senior Fellow of the UK Higher Education Academy (SF-HEA). He is an Editorial Board member of several journals and an Associate Editor of EURASIP Journal on Wireless Communications and Networking since 2013. Prof. Arshad led several locally and internationally funded research projects encompassing the areas of cognitive radio, LTE/LTE-Advanced, 5G, Optimisation, and cognitive Machine-to-Machine (M2M) communications. He has

contributed to several European and international large-scale research projects. Dr. Arshad has 130+ technical peer-reviewed papers in top-quality journals and international conferences,

received 3 best paper awards, 1 best R&D track award, and chaired technical sessions in several leading international conferences.

Humaira Nasim

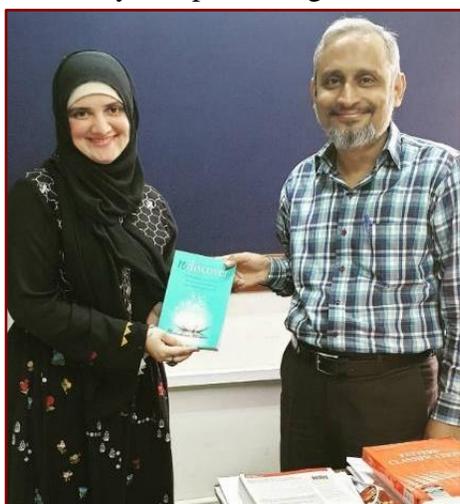
Ms. Humaira Nasim received her Bachelors in Computer & Information Systems from NED University of Engineering & Technology (Batch 2001-2002). In addition, she majored in Mind Sciences and Neuro-Linguistic Programming from Mindbridge Trainings, USA. With a background in Islamic Psychology from International Online University (IOU, Qatar), she has also received training in Classical Arabic from Bayyinah Institute, Texas.



She is the CEO of Dream Weavers C&C Services in Pakistan and the founder of Humaira Nasim Life Coaching in Dubai. An ACC (Associated Certified Coach) recognized by the International Coaching Federation (ICF) practices as an NLP Master Coach accredited by ANLP (Association of Neuro-Linguistic Programming). She is the author of an international book - Rediscover The roadmap to inner peace, balance, and fulfilment in your relationship with life.

She was born and raised in Karachi and is a devoted truth-seeker whose curiosity has led her to study many facets of life with fresh eyes. As part of her journey, she spent a lot of time researching. While she travelled, the exposure to diversity led her to understand the human mind. Nature is her source of inspiration, where she extracts most of her life lessons.

Humaira is a successful relationship, career, and wellness coach who guides others to self-discovery and personal growth. Her in-depth understanding of human psychology, combined with inherent sensitivity and empathy, has given her an advantage in recognizing human patterns and behavior. She wants to help individuals accept themselves the way they are, grow by rediscovering their actual selves, and reinvent themselves by embracing change. Her role is assisting people in becoming a better version of themselves, finding a meaningful purpose in their lives, and leaving lasting imprints on the sands of time.

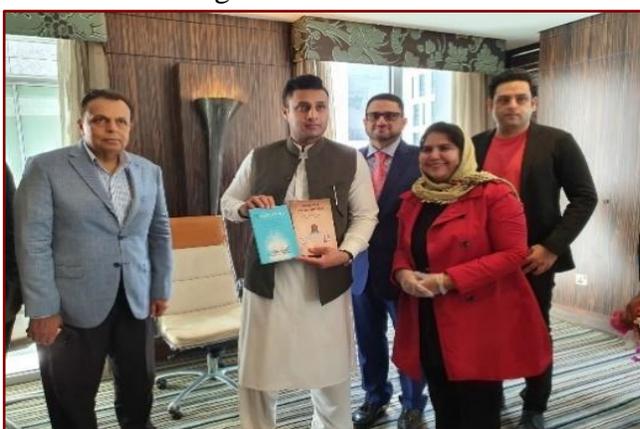


She offers coaching and workshops in Dubai and worldwide using a hybrid approach with a blend of traditional and contemporary wisdom of both the East and the West. She has coached several individuals in setting up their businesses and start-ups. In addition, many people have sought redirection in their lives and careers through her specialized coaching.

Humaira is a merit scholarship holder and was honoured by then-Governor of Sindh, Mian Muhammad Ali Soomro, for her academic achievements. She has worked in information technology and business development in Pakistan and the Middle East. However, at the pinnacle of her career, she made the conscious decision to leave her job to focus on raising her children. A firm believer who credences that parenting is the bedrock of every society. She had acquired fundamental lessons of the human mind through parenting, which had been a journey of self-discovery for her. The in-depth understanding of the complexities of the CPU (Central Processing Unit) of computer machines led her to explore the inner workings of the human brain. She found the brain to resonate with the similar algorithms that she had learned at her university. Reminiscing about the days, she



recalls the microprocessor course she took at NED, which served as the foundation for her study of the human brain.



She aims to use this experience to raise future leaders by actively conducting seminars and training to encourage people to build a life based on their highest values. A founding member of Namal Institute, Mianwali, she shares the dream of making Pakistan the education hub in the region.

An avid reader, she observed that the South Asian region lacked personal growth and development resources. As most of the research and new literature is from the western perspective, she wanted to create literature that could become the voice for her people. Her book Rediscover covers different aspects of life and the culture of the East. Governor Imran Ismail of Sindh and Special Assistant of the Prime Minister on Ministry of Overseas Pakistanis and HRD, Sayed Zulfikar Bukhari, was presented with her book.

As part of her mission to raise self-and social awareness in the country, Humaira has partnered with Hiba Magazine, where she frequently shares her articles and poems. She aspires to create libraries all over Pakistan and encourage people to read.

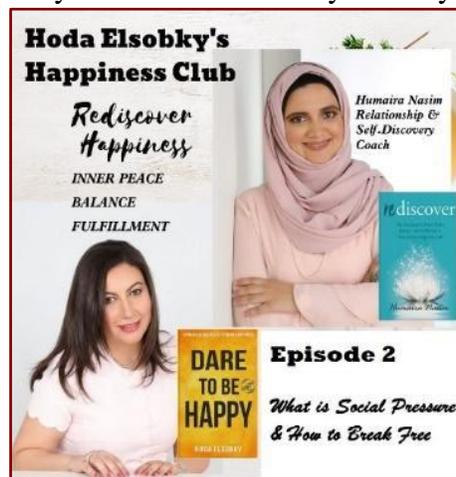


Humaira is a passionate storyteller who believes in the power of personal tales to connect people on a deeper level by breaking down barriers. She believes in collective intelligence and sharing this collective wisdom. Sukhan, a community where people exchange their knowledge and insight, was founded by her. Her most recent accomplishment was Half a Dozen, a book about mentoring and coaching

young aspiring authors. Her upcoming book *She Dares* is a collaborative book co-authored with thought leaders of the Middle Eastern region under the banner of MENA Speakers.

She is raising livestock and tending to an organic farm using cutting-edge technical intelligence in the hopes of creating a viable model for others to embrace healthy and environmentally friendly lifestyles.

Humaira actively participates in social and humanitarian causes on a national and international level. She believes that humans are part of collective consciousness and that each individual is responsible and accountable for their footprint to make a difference on a global scale. It is a prime requirement for laying the groundwork for a healthy society. She believes that to continue this process, humans must leave a rich legacy for future generations. A foundation to which the kids can look for inspiration to study, grow, and evolve to become healthy members of society based on love, peace, and compassion.



“The realization that your life has a purpose is in itself the journey half done.”

Rimsha Farouk



Ms. Rimsha Farouk received her B.E degree with Distinction Honor in Computer & Information Systems from NED University. She completed her MBA with Dean’s Honor from Lahore University of Management Sciences (LUMS), Pakistan. She has worked at senior positions in top MNCs in Pakistan and is currently working in North America at one of the Big 4 organizations in Business Consulting. Her area of expertise is Supply Chain & Operations Management, focusing on digitization.

Rimsha started her supply chain career as a graduate trainee at a remote factory location and moved her way up to Senior Business Consultant in North America. Navigating through 8-years of her career journey, she has faced challenges also, like supporting business operations during economic and political turmoil, where you have to adapt and react quickly. However, she attributes her success to the support she received from working with large global teams and building her network to include those who helped enable her progression.

Rimsha has won many awards and recognition for her organizations at the regional and global levels for her innovative ideas and business excellence. While talking about her personal and professional achievements, Rimsha explained that she is not only proud of breaking the glass ceiling by opting for an unconventional career path but of the impact she has made on others.

“One has to think beyond stereotyping roles based on genders and focusing on what diverse perspectives one can bring to the table while respecting their values and work ethics. These came from being a curious learner, knowing my team and collaborating with them on new perspectives, sticking to commitments, and hitting goals.”



Rimsha confesses that it is great to get recognized as a Women Leader in the supply chain. Throughout her career, she has looked up to mentors and peers for guidance. She also wants to do her part with a positive influence on other women in the industry. She is associated with I Am



Tomorrow’s global community. This community has hosted female role models and entrepreneurs across investment, media, business, arts, and life in 12 countries to celebrate ‘Being Women’ at an international platform. Rimsha has served as a guest speaker for their Women’s Leader Panel event, hosted in Lahore, Pakistan.

Rimsha is a strong advocate of education, especially for females. She has been working

in a voluntary capacity with The Citizens Foundation and other non-profit organizations serving the community in the Education Sector.

Mountain Lady - Sadiqa Shaheen

Ms. Sadiqa Shaheen, a woman only three foot three inches Tall received a Bachelor of Engineering (B.E) from NED University Karachi. She has been working as Senior Manager (Technical) in a prestigious public sector Research and Development organization in Pakistan.

In an environment where there is a lack of sensitivity to people who are disabled, her height tested her confidence. However, inspired by her father and motivated by her family, she resolved not to allow her stature to get in the way of her ambitions of one day becoming a successful professional in her field. Despite the numerous hurdles posed by her height, she acquired her education in conventional schools. Her exceptional intellectual abilities got her admission into one of the esteemed institutions of higher learning, the NED University of Engineering and Technology.



The four years of undergraduate education, on the other hand, were not easy. Her stature made things more difficult for her, not just because of social concerns but also because of physical constraints in the classroom. Nevertheless, she graduated with excellence with a Bachelor's degree in Computer Systems and Engineering in 2008, encouraging regular classmates and providing an example for differently-abled students.

She became an Assistant Manager (Technical) in one of the prestigious public sector R&D firms in 2009. She grew actively involved in software development projects while working on numerous other ventures, focusing on high-end 3D simulators. She provided service with her in-depth knowledge of 3D graphics. She took advantage of the opportunity and developed innovative talents in the field of High-Res 3D

Graphics, thanks to her strong academic background and exceptional intelligence. She used her skills in the creation of stunning High-Res 3D Visuals megaprojects. High dynamic range lighting effects, advanced graphic optimization techniques, advanced 3D modelling to produce high-quality real-time 3D visuals and Exact Mathematical Models, Physics Engine for Mechanical/Biological dynamics were all made possible by this technology.

As a Senior Manager (Technical), she now oversees large-scale R&D projects centred on the use of high-end 3D simulators. Her extraordinary passion, motivation, and insatiable quest for learning

and excellence never made her compromise on her professional commitments, proving herself at par with my colleagues. In 2012, 2013, and 2014, she was nominated for the 'President's Medal Mohtarma Fatima Jinnah' for her achievements despite the challenges she experienced as a differently-abled person. Aside from her professional accomplishments, she performed Hajj in 2009 and travelled to Europe on a vacation trip in 2018. She had always wanted to drive a car, so she learned to drive and now owns a car that she can confidently navigate.

During her interview with the UAFA team, she stated that she gained her conviction from her university friends, classmates, and professors. When she thinks of NED, a string of sweet memories flood through her head, with the love, devotion, care, and support she has gotten from her department and friends being nothing short of Allah's blessings. People like Ms Sadiqa Shaheen are a source of inspiration for all differently-abled people who have surmounted restrictions by combining varied resources and wisdom. She is unfazed by the challenges she has endured throughout her life. Therefore, her appellation of the mountain lady is appropriate.



Mariya Abdul Ghafoor

Ms. Mariya Abdul Ghafoor is currently Deputy High Commissioner at Pakistan High Commission in New Zealand. She is a Telecommunication Engineer from NED and completed her bachelor's in December 2011, with distinction. She worked as a Software Developer for a few months before quitting her job to appear for the Civil Service Exam in 2013. She passed the exam in her first attempt and was allocated to the Foreign Service of Pakistan. She was one of the youngest in her batch of 2013.



At the Civil Service Academy Lahore, she got the Exemplary Conduct Award and various sports awards as well. During her Specialized Diplomatic Course at the Foreign Service Academy Islamabad, she was chosen on merit as one of the ten best trainee diplomats to go to the Hague (Netherlands) for diplomatic training at the Clingendael Institute. There she visited various



international institutions and learned about their working including that of the International Court of Justice and International Criminal Court in the Hague, and NATO and European Union Headquarters in Brussels. She also studied the Russian Language at the Moscow State University in Moscow, Russia. Currently, she is pursuing a Masters's in International Relations from the Victoria University of Wellington part-time while also working as the Deputy High Commissioner for Pakistan full-time.

Since joining the Foreign Service of Pakistan Ms. Mariya has worked in various positions at the Ministry of Foreign Affairs. She has worked as Additional Chief of Protocol and as Assistant Director Economic Cooperation. As Desk Officer for

Africa, she worked for the safe release of a Pakistani national kidnapped by rebels in South Sudan in 2017. As Deputy High Commissioner in New Zealand, she has been trying to create awareness about Pakistani culture among the local population. Under her initiative, Pakistan participated in the largest street festival of New Zealand in March 2021 where Pakistani culture and traditions were presented. The festival saw the attendance of 20,000 people in one day making it the largest gathering in the world post COVID19.

Ms. Mariya has a special interest in public service. While at NED she used to organize flood relief campaigns. As a young officer, she is thankful to NED for imbuing in her merits of hard work and public service which have helped her immensely throughout her career. She strongly believes that such activities play an important role in character building and help students become a viable part of the community. In the future, Ms. Mariya hopes to continue to work to represent Pakistan's interests in various forums around the world. She also aims to continue to develop expertise in Foreign Policy and International Relations through experience and learning and wishes to acquire a Doctorate in IR in the future.



Safdar-The Math Man

By: Muhammad Sohail Ahmed

"How can we make a change in the education system that has gone so rotten? Let's talk next time about how we can use NED SCHOLARS to achieve it". Who knows that this would be the last sentence Safdar said to me a few weeks before his departure?

For me, friends are family members that we select. I was fortunate that Safdar and I chose each other as friends. We did not grow up together. We did not go to the same school or live in the same neighbourhood growing up, but we had the same passion for education and the education system.

Although Safdar was my batchmate at NED, I was not acquainted with him during that time. My first contact with Safdar was in 1988 when another friend introduced him as a co-vice principal of the polytechnic college in Karachi. During that time, Safdar talked about his coaching centre in F.B. Area. I was surprised to learn later that he had left his job and only concentrated on his coaching centre. In mid-2000, when I was planning to start a scholarship programme for NED students on need-cum-merit basis, Safdar approached me in the USA and offered his services and support for the programme. Since then, Safdar has remained committed to NED SCHOLARS programme.



I used to call Safdar the "Math Man." The person who encourages and engage his students to excel and appreciate Math. The term is different from "Math Person" coined by Prof. Zahra Hazari,



Florida International University, and her team. A Math Person is an outcome of Math Man's efforts. According to Prof. Hazari's research, students who do well in math need just as much encouragement to develop an affinity for the subject as students who struggle.

As they affectionately call themselves "Safdarian," Safdar students are the perfect examples of Math Persons. Safdar was a devoted teacher with a vision that changed the teaching methods and introduced new teaching tools to ensure student's learning and engagement. Safdar understands the importance of Math in STEM-related professionals. However, he also had a perfect sense of the lack of students' attention in math and math problems.

He used to say that "the cookbook approach to teach math will make our engineers and scientist as followers rather innovators."

Safdar recognized the lack of importance on math at the college level in Karachi. However, he appreciated the significance of Math in the engineering field. He was concerned about how various "so-called" math tuition centres were taking advantage of the situation by providing, at best,



mediocre training in Math. Safdar's teaching philosophy for math suggests that such education is about students' confidence and performance and depends on students' attitudes and personal motivation. Safdar always had very high expectations from his students.

For Safdar, the key to students' success in Math requires a holistic approach. He ensures parents' involvement in this process and requires his students to understand the importance of time. Safdar as an educator was

always ahead of his time. He was the first to involve technology in teaching Math. His state-of-the-art classroom is an example for others on using technology to engage students and ensure effective learning.

"Teaching is the profession of Prophets,"; Safder told me while visiting the USA in 2018. I bear witness that he took his duty as a teacher very religiously and expected his students to do the same. Our most conversations revolve around education, issues with the education system in Pakistan, and what needs to be done on personal and government levels to improve it. It was not a surprise for me when Dr. Sarosh Lodi recalls a story in one of the laptop distribution ceremonies of NED SCHOLARS. According to Dr. Lodi, when he asked a very famous Pakistani writer, a NEDian, who she regards as the best teacher and with no hesitation, she replied Sir Safdar. I am sure all Safdarians will say the same.

On May 6th, 2021, Karachiates lost their best Math teacher, a dedicated professional, firm believer of the faith, a man of courage, a brave human being who was not afraid, telling the truth, and following the right path the path of Allah's favourite people. I'll miss my friend; I'll miss his calm, energetic voice; I'll miss his compassion towards his students and for NED SCHOLARS. I will miss my friend to share my thoughts and bounce around ideas to better education and teaching. I'll



miss his advice and his encouragement. Who will now provide me with honest opinions and support to run this organization he co-founded.

Rest in peace, my friend. BTW, I am still waiting for our next talk to plan a new education system for Pakistan. I hope and pray to meet you in heaven, Inshah Allah. May Allah Bless Your Soul.

Following is a poem by James Whitcomb Riley

I cannot say, and I will not say
That he is dead. He is just away.
With a cheery smile, and a wave of the hand,
He has wandered into an unknown land
And left us dreaming how very fair.
It needs must be, since he lingers there.
And you—oh you, who the wildest yearn
For an old-time step, and the glad return,
Think of him faring on, as dear
In the love of There as the love of Here.
Think of him still as the same. I say,
He is not dead—he is just away."
To which I added the following
And soon we all be together
In the land of our Creator,
Seeking the blessings of our Lord, We'll be in heaven
Together forever



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NATIONAL CENTER IN BIG DATA AND CLOUD COMPUTING
 HIGH PERFORMANCE COMPUTING CENTRE
 DEPARTMENT OF COMPUTER & INFORMATION SYSTEMS ENGINEERING





*Alumni Associations
Around the World*



When the pandemic had been affecting the globe with intensity, the NEDians were very enthusiastic about uniting alumni worldwide to celebrate the centennial history of their alma mater. Somewhere alumni were busy launching an alumni association; somewhere they were busy registering their respective alumni associations, whereas somewhere they were engaged in planning the centenary celebration.



Besides, alumni around the globe have been keenly interested in celebrating centenary events at their homeland, particularly at their alma mater. They have been inquiring from the university's management to arrange such events after the post-pandemic world where everyone will be vaccinated. A brief introduction of alumni associations and their events is presented below.

Inauguration of NED International Alumni Network United Kingdom (NEDIAN-UK)

Several engineers from the UK, led by one of the alumni from the Department of Civil Engineering, Engr. Ali Murtaza, Batch 1999-2000, had been vehemently interested in uniting the alumnus at the United Kingdom. Engr. Ali Murtaza was in continuous coordination with the UAFA office to know about the registration of alumni association at the university and at the UK, the inauguration of alumni association through the university management and other prominent alumni, contributing to the advancement of the university in infrastructure, laboratories, and in different heads. Besides, he was also interested in designing the alumni-based website and logo of the alumni association through the involvement of students. The office of UAFA assisted him achieving those objectives and conveyed him the heads where the alumni can contribute.



Mr. Murtaza also periodically updated the UAFA office for development taking in place for the launching of the alumni association. Finally, he along with other NEDians launched an alumni association in June-2021. The key-note speaker was the Honorable Vice-Chancellor, Dr. Sarosh Lodi. Besides, distinguished speakers included Anas Hashmi, Chairperson, NED Alumni North America; Nazli Khan, Chairperson, NED Alumni Canada; Asim Murtaza Khan, CEO PPL; and Sohail Bashir, Chairman IEP, Karachi & Chairperson, NEDIAN Pakistan; along with a large number of NED graduates based in the UK and across the globe, participated in inaugural ceremony.



The office of UAFA offers the heartiest congratulations to all office bearers and wish for the best future of the Alumni association and, hopefully, it will contribute for the advancement of the university.

Office Bearers



Hisham Yaqoob
1998-99
Electrical Engg.

Talha Siddiqui
2002-03
Electrical Engg.

Ali Murtaza
1998-99
Civil Engg.



Syed Ahsan Bukhari
1999-00
Civil Engg.

Adil Salim
1998-99
Civil Engg.

Nasir Khan
1999-00
Civil Engg.

NED Alumni Association Canada (NEDAC)

By Ms. Nadia Zia – Liaison Secretary – NEDAC

NED Alumni Association Canada (NEDAC) was formed to support a network of former graduates who intended to raise the profile of the university. We brought people from the same platform and educational roots together. We directed our goals to help each other in a foreign land and assist our alma Mater either monetarily or academically. NEDAC was formed in 2006 and since its inception, it is rapidly evolving with the evolving technology and mindsets. It currently has just over 700 registered members. The membership involves a one-time fee of the nominal amount to qualify for life membership. The membership information database is maintained on the website.



NEDAC operates under a board, officials of which are selected through an election. As of currently, 2021-23 NEDAC board comprises of 17 members, of which 9 are office bearers and 8 are executive members. The selected board forms different committees with 4-5 members either

from inside or outside of the boards to run its operation. Committees can vary by governing board. Under the current board, we have:

- Professional Development Committee
- Career Guidance Committee
- Information Committee
- Publication Committee
- Liaison Committee
- Bylaws Committee
- Social Committee
- Finance and Membership Committee
- Sponsorship Committee
- Scholarship Committee



Each of the committees, as the name depicts, sets out targets and work together to achieve them.

NEDAC holds multiple events in a year. They are a combination of technical seminars and webinars, traditional festival celebrations, annual dinner gatherings, musical evenings, and athletic sports.





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ALUMNI ASSOCIATIONS AROUND THE WORLD

Office Bearers 2021-23



Khalid Hussain
Finance Secretary
1982-83
Mechanical Engg.

Arshad Azhar
Vice President
Batch: 1979-80
Civil Engg.

Nazli Khan
President
Batch: 1984-85
Civil Engg.

Karamat Ullah
General Secretary
Batch: 1970-71
Electrical Engg.

Islam Nabi Khan
Social Secretary
Batch: 1970-71
Mechanical Engg.



Saima Gillani
Joint Secretary
Batch: 1992-93
Civil Engg.

Shahid Ahmed Chishty
Publication Secretary
Batch: 1983-84
Electrical Engg.

Naila Jamil
Information Secretary
Batch: 1984
Civil Engg.

Nadia Zia
Liaison Secretary
Batch: 1987-88
Civil Engg.

Executive Members



Jamil Malik
Batch: 1972-73
Mechanical Engg.

Farrukh Karamat
Batch: 1981-82
Electrical Engg.

Farzana Anbrene
Batch: 1984-85
Civil Engg.

Muhammad Khalid Nazim
Batch: 1985-86
Mechanical Engg.



Junaid Akhtar
Batch: 1985-86
Civil Engg.

Ursula Nazar Abbas
Batch: 2002-03
Electronics Engg.

Ammar Baligh
Batch: 2005-06
Civil Engg.



NED Alumni Association, Australia



Australia is home to more than three thousand NEDians. In the past, there used to be smaller groups of NEDians predominantly based in Sydney and Perth but it was decided to form an Alumni Association which will work in every state and territory of Australia and will operate and deliver with a more formal approach. This was accomplished with great enthusiasm from all NEDians and NED Alumni Association of Australia came into being.

NED-AAA will also serve the wider region of Oceania including Australia, Indonesia, Fiji, etc. One of the most important aim is to connect with all the alumni and alumni associations in the world to serve and deliver the best to the diaspora. The association has footprints in all Australian states and territories which are Australian Capital Territory, Northern Territory, New South

Wales, Queensland, South Australia, Tasmania, Victoria, and Western Australia. This will enable it to serve the NEDians much better as Australia is a large country and it will be easier and feasible to work in every region.

The association strives to connect and engage NEDians to create a larger, dynamic and diversified community to play an active role in the development and progress of Australia aligned with values of land.

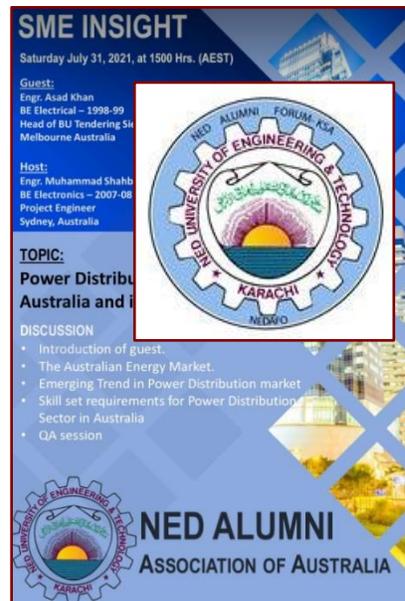
NED-AAA has a national communications committee appointed for the task of enhanced and timely communications of all subjects about alumni in Australia. Our goals are:



- Unification of all alumni Australia-wide for networking and to strive together for common goals.
- Assisting all recent migrants' alumni in career counseling and early placement in the Australian workforce.
- Assisting all recent migrants' alumni morally, ethically, and financially should need arise.
- Paying back our beloved overseas homeland in terms of charity – predominantly educational charity.
- Assisting all alumni in continuous professional learning related to engineering or non-engineering subjects via seminars, webinars, etc.
- Promoting diversity in all national and state-wide bodies via appreciating the participation of all alumni regardless of age, technology, and gender.

The alumni association also arranged a function on 29th May 2021 to celebrate the centennial celebration of the university. To make this auspicious celebration more meaningful, it contacted with Directorate of UAFA-NED University to have recorded messages of the Vice Chancellor, Dr. Sarosh Hashmat Lodi; Pro Vice Chancellor, Dr. Muhammad Tufail; and Dean AMS & Director UAFA, Dr. Noman Ahmed. The welcome speech was delivered by Mr. Sadiq Jafri, the founder of SydNEDIans, and was followed by telecast of videos of the History of the NED University & messages by the management of the university, cake cutting ceremony, distribution of commemorative mugs as memorabilia for NED University centennial year, and dinner served with Pakistani music from a local Sydney based artist.

The event was closed with a group photo session and the kids enjoying the jumping castle and fairy floss.



NED Alumni Forum - Saudi Arabia (NEDAF)

NED Alumni Forum - Saudi Arabia (NEDAF) was established in the early 80s with a vision of gathering the NED Engineers on a platform where they can share their experience and enhance communication through seminars, technical meetings, and training. Increase understanding between NED Alumni through discussion of current and relevant topics and to encourage professionals, business owners, and newcomers. Currently, NEDAF has more than 300 members spreading through the kingdom of Saudi Arabia.



The alumni forum has been providing scholarships and financial support to NED deserving students and other financial. Besides, it has been arranging technical seminars and supporting NEDIans in the job searching process at KSA. NEDIans are also united via social gatherings, annual dinners, and picnics.

Several NEDIans are working in KSA and contributing to the economy of both KSA and Pakistan. They are in different fields like oil and gas, construction, IT, manufacturing, and service companies.

Many of them have their own companies as well. Also, many NEDIans have pursued their Ph.Ds from KSA and working as professors and teachers in different engineering universities in the kingdom.

NEDAF has been recognized by Saudi Engineering council through their Vice-Chairman who also attended one of its seminars as a chief guest.

Glimpses of Centennial Celebration by NED Alumni Association of Australia



Glimpses of Centennial Celebration by NED Alumni Association Canada





*Alumni's Contribution in the
Advancement of NED University*



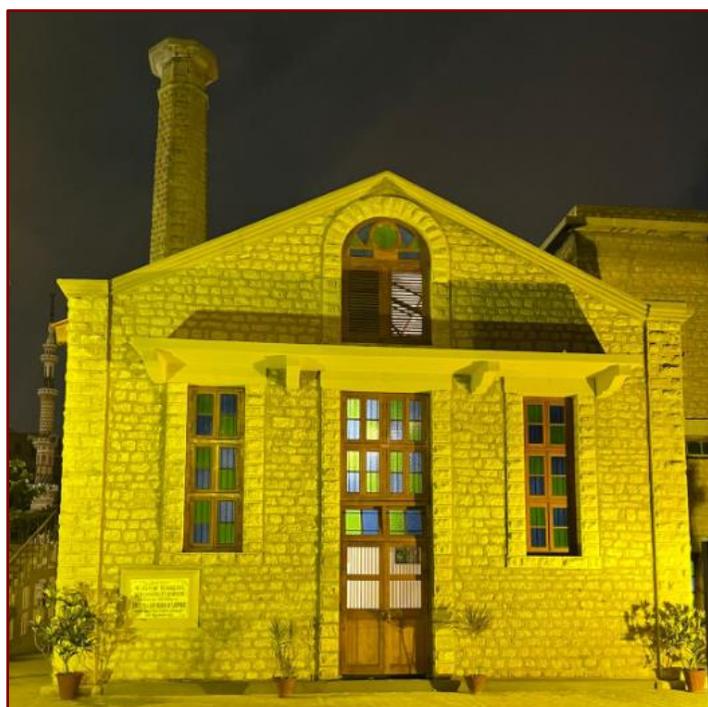
In recent years, several alumni and alumni associations come forward for the advancement of the NED University. The alumni contributed generously for the development of new infrastructures, scholarships, and much more. Some of the alumni arranged linkages with the organizations for advancement of the university.

Mr. Ashraf Habibullah, a renowned alumnus of the Department of Civil Engineering has gifted a Solar Power Plant of 36KW to NED University. The power plant is installed to power some of the laboratories and classrooms of the Department of Electrical Engineering. The worth of the gift is \$20,000. The inauguration ceremony of the power plant was held in May-2021. Dr. Sarosh Hashmat Lodi, the vice-chancellor of the



university, thanked him very much for his gift. Besides, Mr. Habibullah used to gift NED university at various occasions. Besides, another Solar Power Plant of capacity 70 KW has been approved for installation at the new building of the Department of Civil Engineering. For which Mr. Ashraf Habibullah and UK Alumni Associations, again contributed \$50,000.

The old historic boiler and chimney room, located at the old campus of the university, required civil and development works. For which the NED International Alumni Network Forum Pakistan come forward and gifted 8 million PKR to the University. The prominent contributor is Engr.



Saleem uz Zaman Siddiqui. The development work of the Chimney is in the final stages and will be completed soon. The management of the university has declared the chimney room to be a museum of the university which will contain old memorable historical pictures and artifacts of the university. Alumni are requested to please share material with the directorate of the University Advancement & Financial Assistance for making it part of the museum.

The alumnus, Mr. Ahsan Zafar, Mechanical Engineering, who is currently serving as CEO of Engro Energy Limited Pakistan, has arranged a solar power plant of 100KW through his organization for Engr. Abul Kalam



Library. He also pledged to contribute to the construction of the Day Care Center at the University. The inauguration ceremony was held on 10th of March 2021 at Main Auditorium, Mehmood Alam where a Memorandum of Understanding was also signed. The amount gifted for the construction of the Baby Day care center was Rs. 8,800,000 PKR.

NED Alumni Association of North America in 2014 has recently gifted \$10,000 for the establishment

of “Smart Class Rooms” to the Department of Computer Information Systems. Smart Classroom will be operational in near future. This state-of-the-Art technology has improved the learning experience of students with improved student-teacher interaction and through real-time blended learning.

The Chief Minister of Sindh, Syed Murad Ali Shah, a very prominent alumna, donated generously to NED University. It is due to his personal interest and support, NED University has developed state of art cricket ground, football ground, athletic track and renovate the existing sports facilities. The development of the hockey ground is in progress.



Several alumni and alumni organizations have been contributing to support the students of the university through scholarships and endowment funds. Some of them have established endowment funds for scholarships. Some of them are also contributing for the successful completion of final year projects prototypes, and research works. The university has acknowledged the contributions and placed the

names of the scholarships at its website.



The website of NED University lists 73 different scholarships by NGOs, Governmental Organisations, Corporations, Alumni Associations and individuals and this all started probably with the small step taken by the Duty Society of NED Govt Engineering College in 1956. Let's salute the founder members for their generous act..

a working paper with the name “Academia-Industry Linkage Initiative” which is a broad area where the alumni can cooperate.

It is a great opportunity for each alumnus and alumni association to come forward and gift generously to the university. The university will acknowledge the contribution of the alumnus. Every simple action and single penny of the alumnus matters in the advancement of the university. Specific details for contributing in any area can be provided to anyone. If you are interested to contribute, please drop your email at diruafa@neduet.edu.pk for your contribution.

Recently a young alumnus of electrical engineering, Batch 2007-08, has offered an ongoing annual scholarship to Controller Students Affairs through UAFA which is also motivation for young graduates to come forward for the noble cause.

Every year thousands of alumni around the world support their alma mater in its advancement. The advancement is in the form of gifts, connecting with donors, MoUs for research and development, exchange programmes, endowed chairs, students’ placements, soft skills development, development of infrastructures, and many more. Currently, several development works have been going on in NED University which includes the construction of new buildings of the academic departments for laboratories and classes, repairing of desks, chairs, and benches, equipping new labs with the computer, lab equipment, and so on. Besides, there are many spots in the university where the memories of the alumnus are attached and such spots need rehabilitation.

The university has also published



*Launching of Commemorative
Coin and Postal Stamp*



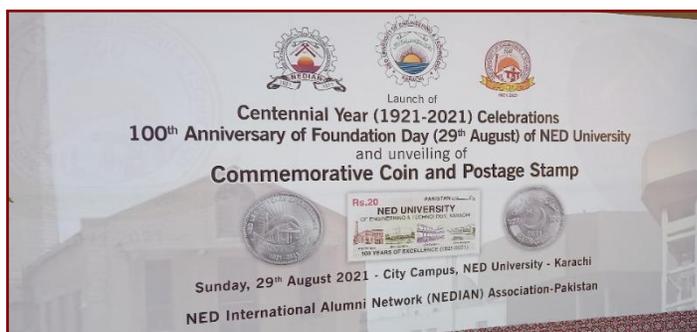


SPORTS & FITNESS FACILITIES AT NED UNIVERSITY

The alumni of the university celebrated the launch of the commemorative coin and postal stamp on 29th August 2021 at the serene City Campus of the University. The NED University of Engineering & Technology and NED International Alumni Network Forum Pakistan jointly arranged this event. The event was made live through social media so that NEDians around the world can participate in this propitious event.



The event was attended by the prominent alumni of the university including the Chief Minister of Sindh, Syed Murad Ali Shah; Member of National Assembly, and Newly Elected Chairman Pakistan Engineering Council, Engr. Najeeb Haroon; Member Sindh Assembly Syed Firdous Shamim Naqvi; Member National Assembly, Mr. Aftab Hussain Siddiqui; Member Provincial Assembly, Mr. Adeel Ahmed, President NEDIAN Forum Mr. Asim Murtaza Khan, First Lady Engineer of Pakistan Ms. Asfia Aleem, Major General Khurram Qadri, Prominent writer, Ms. Farhat Ishtiaq, Ex-Senator Ms.

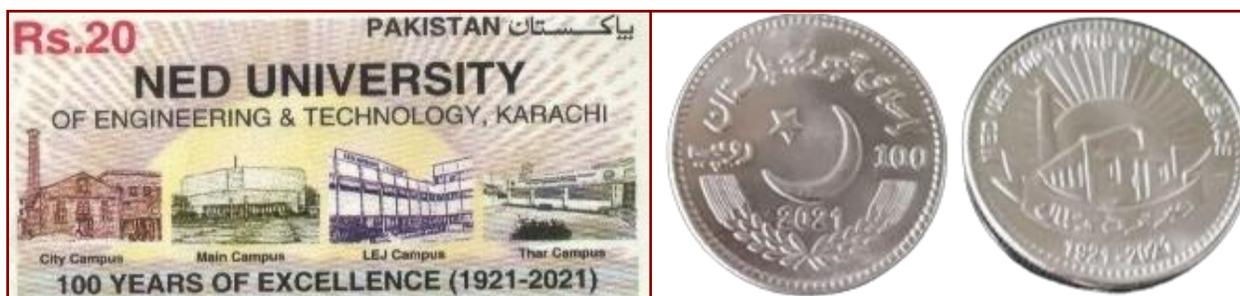


Rukhsana Zuberi, Judge Sindh High Court Justice, Zulfiqar Ahmed Khan; Vice-Chancellor DHA Suffa University Dr. M. Afzal Haque; CEOs, Founders, and Chairpersons of corporate and public sector; and Deans of the university.

Prominent guests included Minister Universities and Board & Minister Climate Change, Ismail Rahu;

Administrator Karachi Metropolitan Corporation Barrister Murtaza Wahab, Family member of Dinshaws, Ms. Ava Cowesjee; Chairperson of Panjwani Foundation and Trust, Ms. Nadra Panjwani; Secretary Board and University Sindh Dr. Mansoor Abbass Rizvi; Representative of Governor State Bank of Pakistan, Mr. Qadir Bux, Director Finance; Representative of Chairman Pakistan Post, Mr. Jalil Siddiqui, Deputy Controller of Stamp,; Director-General, Pakistan Rangers, Major General Iftikhar Hassan Chaudhary; Representative of Donor LEJ Campus and Chairman Hussain Ibrahim Foundation, Mr. Aziz Latif Jamal, many other prominent personalities. Engr. Sohail Bashir Chairman Institute of Engineers Pakistan and member NED International Alumni Network Association welcomed the guests and thanked the Government of Pakistan for issuance of commemorative coin and stamp, a memorable gesture for the University.

The event began with the recitation from the Holy Quran and translation by Dr. Bilal Usmani followed by the National Anthem.



Afterward Engr. Sohail Bashir shed some light on the history of NED College and University; starting from Prince Wales College, its progress to NED Engineering College and eventually NED University of Engineering and Technology, Karachi. He invited Dr. Sarosh Hashmat Lodi, the Vice-Chancellor of the university for his welcome speech.

Dr. Lodi, while expressing his feelings, said that he was thankful to All Mighty Allah for providing him with the opportunity to lead his own Alma mater at its 100th year. He continued that NED University is the backbone of the country, & has completely transformed the nation. It has played a vital role in the socio-economic development of the country and wished that if there would a mechanism to measure the socio-economic impact of this institution nationally and globally. He added that impacts of “NED University” can be felt in almost all continents of the world, as far as Silicon Valley because of the engineers it has produced. He also said that the strength of this institution is its quality students and that this institution is proud to have honest and diligent teachers and staff working 24/7. He also added that NED University has been producing top-notch engineers, politicians, soldiers, sports personnel, writers, actors, singers and the is list goes on and



above all. NED University has the distinction to break the barrier by producing Pakistan’s first lady civil, mechanical, and electrical engineers. He continued that one can only do such a great job only with the support of his colleagues, staff, students, and alumni. He promised to make this institution the greatest in the world.

After the welcome speech, Mr. Bashir invited Syed Murad Ali Shah, Mr. Qadir Bux, Mr. Asim Murtaza Khan, and Dr. Lodi for unveiling the commemorative coin. Thereafter, Mr. Jalil Siddiqui Deputy Controller of Stamp was invited for unveiling the commemorative stamp.

The commemoratives were presented to the guests, alumnus; deans, and Pro-Vice-Chancellor of the university and others.

The chief guest, Syed Murad Ali Shah was invited for expressing his views on this occasion. He thanked all the guests and

prominent participants and said that it is an honor and immense pleasure for him to be present on the centennial of his alma mater. He added that he had been associated with this university since 1980 and hoped to continue his association for the rest of his life. He also praised and remembered all those who played a vital role in his student life especially the Vice Chancellors, the deans, the



SPORTS & FITNESS FACILITIES AT NED UNIVERSITY

chairpersons, the faculty members, and all the staff. He also suggested that the university should remember the teachers and the people, who passed away and dedicate a place to put their name there. He also remembered his class and batchmates who were no more. He said that this institution has given away too much to its students and he feels that all should give back to their alma mater and announced a grant of 100 million rupees to the university.

He added that the University has a lot of potentials and suggested focusing more on how to use the full power and potential of this institution. Upon a question regarding student unions, the Chief Minister replied that he is very much in favor of student unions and told that productive students' politics is really important. He believes that students' unions should be reinstated.

Finally, the programme came to an end with the vote of thanks from Engr. Asim Murtaza Khan. He thanked all distinguished guests and alumni and mention that the accomplishments of 100 years of excellence of this institution were only possible due to hard work and utmost devotion of its leadership, faculty, and staff.



Event in Pictures







*Sports & Fitness Facilities
at NED University*



In recent years, NED University has witnessed rapid progress in the development of sports, gaming, and fitness facilities. The athletic track has been developed as per international standards and has been made functional recently. It is 400 meters long, having eight lanes of red clay standard athletic standard track and one jumping pit. It covers a broader range of track events like 100M-1500M-200M-400M-800M-4 X 100M Relay Race &, 100M Hurdles Race; throwing event like, Discus throw, javelin throw, Hammer throw, and Short Put throw; and Jumping Events like Triple Jump, Long Jump, and High Jump.



Surrounding the athletic track, there is an outstanding synthetic grassy field football ground which is also developed following international standards. Recently, the university has organized “All Pakistan Intersarsity Football (women) championship 2020-21” on the new FIFA standard synthetic football field under the auspices of the Higher Education Commission on 25-28 February 2021 at NED University. Twelve teams of various universities participated in it. Both athletic track and football ground cover the area of 162,500 Sq. ft.

Adjacent to the athletic track is the cricket ground which is developed on a standard grassy field along with flood Lights having an area of 235,000 Sq. ft. It has three turf wickets and two practice wickets. It is equipped with a backup power supply. Recently a friendly match between NED University and its alumni was arranged in which the chief minister of Sindh has also participated. The match was arranged to be live through social media.



With increasing advocacy of gender equity globally, the university decided to establish a separate Gymnasium for the girl students so that they can also prove their abilities in sports fields and fitness. It is spread around 11,300 sq. ft area, and has state of art Badminton Court, Table Tennis Facility, Basketball Court, Volleyball Court and outclass Standard Fitness Equipment machines. The university has witnessed the enthusiastic and overwhelming response of girl students in sports and fitness activities in recent years. Till 2010, there was only a boy’s gymnasium and time slots were reserved for girl students in it.



The boy’s fitness center which was earlier located in a small room of the main gymnasium was reestablished which now covers an area of 2,500 sq. ft. It is now equipped with new Standard Fitness Equipment machines.

Due to the increasing number of students and assessing their interest in the basketball game, a new outdoor basketball facility was



developed in the area of 15,000 sq. ft along with two courts. It has been equipped with floodlights so that championship matches can be arranged in the night also. To entice the audience, it has been equipped with a sitting capacity of hundred persons.

The university further diversified the sports facility and developed a Squash facility along with Standard Glassdoor Courts having two umpire boxes and a sitting capacity of hundred persons. It covers an area of 3,700 sq. ft.

The old campus is also equipped with a badminton facility. The Institute of Science & Technology, a newly established institute of the university, has been also equipped with sports facilities of cricket, volleyball, football, table tennis, and snooker.

The present administration of the university firmly believes that students need healthy physical activities to remain fit and to focus on their education. Besides, the university has been investing in developing human resources. It is planning to establish academies for athletics, football, cricket, and squash, which would be headed by trained coaches and the students would get training without any fees.

The Vice-Chancellor of the university Dr. Sarosh Hashmat Lodi while expressing his views told that all such development has been only possible with the support of Sindh Chief Minister Syed Murad Ali Shah, and the then Secretary Sports of Sindh government Mr. Saleem Raza Khuhro, both are the prominent alumnus of the university.



The development of sports facilities in the university has been acclaimed nationally. The president of Pakistan Olympics Association Lt (R) General Arif Hasan, and former national athlete Muhammad Talib have visited the sports facilities of the university and declared it one of the best steps in the promotion of sports. They suggested other educational institutions follow the footsteps of NED University for the development of sports skills in their students.



Alumni Feedback for “The NED Experience”





UAFA received an overwhelming response from the alumni regarding the publication of the alumni-based magazine “The NED Experience”. Some of the important emails are shared with alumni.

Feedback from Mr. Sadiq Pirani

From: "Sadiq Pirani" <sapirani@gmail.com>

To: diruafa@neduet.edu.pk, uafa@neduet.edu.pk, alumni@neduet.edu.pk

Sent: Thursday, 24 September, 2020 11:52:46 PM

Subject: NEDUET Directorate of University Advancement & Financial Assistance

Attn: Dr. Noman Ahmed

Director, University Advancement & Financial Assistance (UAFA)

NED University of Engineering & Technology

Dear Dr. Ahmed,

Assalam-o-alaikum,

I hope you are doing well and staying safe during the current conditions due to COVID-19 pandemic.

I am a NED University's alumni residing in Canada for over 25 years. I am a Civil Engineering Graduate (1987-88 Batch) and working as an Engineering and Project Management Consultant with expertise in Transportation Infrastructure & Traffic Engineering, Smart City & Mobility Technology Solutions, and Intelligent Transportation Systems (ITS).

I came to know about the **Directorate of University Advancement & Financial Assistance (UAFA)** and looked at **The NED Experience 2019** publication. It was a great pleasure reading all the contents of this well-organized publication's 2nd volume. Please accept my heartiest congratulations to you and your respected team members for such valuable efforts!

As I read through and noticed that your department is in touch with many alumni around the world including North America. I like to notify you that there is a very active alumni association called, **NED Alumni Association of Canada (NEDAC)**. The association was formed in 2006 and has nearly 700 registered members who are residing in different cities and provinces of the country. Please follow the link below to NEDAC website for more information.

www.nedalumnicanada.org

NEDAC and its members are passionately connected and engaged with the Alma Mater in Pakistan. NEDAC and its members are actively contributing and supported NED University through technical and financial (including annual student scholarships programme) resources for the last 14 years.

I am currently serving as a **Special Committee Chair** with the task of planning, organizing, and executing the **Alma Mater's (NEDUET) Centennial Celebrations in Canada in Autumn/Fall 2021**.





I will be happy to connect with you and your team members at UAFA and will be happy to share more details about our alumni association and its events & activities in Canada. Please feel free to contact me through email at sapirani@gmail.com. Thank you!

Best regards,

Sadiq A. Pirani, P.Eng., FEC, FGC (Hon.)
Founding Executive Board Member (2006-2008)
Chair of Special Committee for Centennial Celebrations

Feedback from Mr. Asalm Siddiqui

From: "Aslam Siddiqui, PE" <asiddiqui@aiengineers.com>
To: "NED Alumni Network" <official@alumni.neduet.edu.pk>, alumni@neduet.edu.pk
Sent: Thursday, 13 August, 2020 2:21:21 AM

Dear NED Alumni Network

Thanks for the newsletter. It's nice to reconnect with the NED community. The Newsletter looks fabulous. I wish you all the best and appreciate your work in bringing the NEDians on one platform. It's a big effort. Congratulations to you and the entire Team. Very well done!!!

Also,

On behalf of NEDIAN-NA Board of Directors, and as a Chairman I would suggest you to add my message and our news in your next digital news. I wish you could have asked me to provide the info ahead of time. As you know we have almost 8-10 local associations working under the umbrella of NEDIAN-NA and we also have ALEF endowment fund working actively to support our university.

Regards,

Best wishes,

*Aslam Siddiqui,
Chairman
NEDIAN-North America*





Feedback from Members of NED Alumni Association Canada

Nadia Zia – 1987-88 Civil Engineering



A breath of fresh air and a walk through a memory lane. The composition of this publication would not have been an easy task. There is so much to cover and bring it in a concise format. A job well done! A knowledgeable read of events in NED and across the globe of different Alumni. Motivational composition of success stories and illustration of notable events. As all fields evolve, I am sure so would publication and every time there would be something new and creative to this paper. Thanks for sharing.

Imran Ahmed – 1983-84 Electrical Engineering

Reading profiles and achievements of NED graduates was inspiring. It is a great initiative by NED university to compile such information together and bringing NEDians closer. I feel proud knowing how NED graduates successfully contributing in their respective fields globally. I believe this publication is a good start and after implementing improvements in structure and format, it will evolve over the period of time and transition into memorabilia of NEDian achievements in a presentable way. All thumbs up!....



Khalid Hussain - 1982-83 Mechanical Engineering



It is good to refresh memories and get information and connect NEDians with NED throughout the world.

I was pleased to see the old pictures and it is also providing history and quite interesting information about the evolution process of NED.....

Naila Jamil – 1984-85 Civil Engineering

I have read through the publication and I found it extremely informative. The section summarizing the history of NED and how it was founded was an interesting read. Additionally, the magazine highlighted the achievements of NED alumni. It was wonderful to see all the successes that have come out of the university and the impact our community has made on the world...





Invitation to Write and Contribute to “The NED Experience”

For Publication of Messages

The NED Experience is a periodic publication of UAFA at NED University that features alumni affairs and university activities. Messages from alumni are included as an essential part of this publication which is published once in every two years. All alumni can directly share their messages. Some guidelines are developed as a suggestion for the alumni who will support them in developing a quality message. The message can be sent by clicking the following link and emailing at uafa@neduet.edu.pk.

For Publication of Success Story

We request all such esteemed alumni who have excelled in their career or possess exceptional achievements can share their success story by [the following link](#) and emailing to us at uafa@neduet.edu.pk. These stories shall be reviewed by a panel of peers and approved for publication.

Contribution for Documenting History of NED University

We are interested to document the history, memorable events, achievements, and other important information about the university. While major events and landmark developments are well known, it is important for us to acquire individual and collective feedback from our esteemed alumni. It can be in the form of articles, pictures, voice notes which would be transcribed or any other document or form. For Articles and voice notes/interviews few guidelines are developed which can be accessed by [the following](#) and emailing to us at uafa@neduet.edu.pk

Link for Messages, Success Story, and Documentation of the History of NED University

https://uafa.neduet.edu.pk/write_to_us.html





Way Forward

This third edition of NED University Alumni Experience of academic learning and joyful moments of student life is a message of inspiration and motivation for those who dream of becoming a part of the NED University Alumni, those who are fortunate to achieve their dreams of studying at the esteemed institution and a collection of memories for those who have graduated and are working in their respective professions. There is a huge number of NED University Alumni all around the world. The purpose of this magazine is to gather and articulate the voices and experiences of our graduates and alumni from all corners of the world. All NEDians are invited to comment, send feedback and share their experiences as a way forward to this journey.

Please remember that this is the third publication of this series. The spread of our alumni is vast and continuously growing. Therefore, we intend to make this publication a regular feature and publish it every two years. This duration will enable us to gather feedback from our esteemed stakeholders and colleagues. It will also enable us to acquire new messages and perspectives from our alumni.

The Editorial Team
uafa@neduet.edu.pk





CELEBRATING
100 YEARS
1921-2021
OF EXCELLENCE



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