

# THE NED EXPERIENCE

University Advancement and Financial Assistance (UAFA)

**NED University of Engineering and Technology** 

2019

**Second Volume** 

#### **Contents**

Disc	laime	r	5		
1.	Acknowledgements				
2.	The Team				
3.	Mes	Messages			
	l.	Governor of Sindh	8		
	II.	Chief Minister of Sindh	9		
	III.	Vice Chancellor	10		
	IV.	Pro Vice Chancellor	11		
	٧.	Dean, Faculty of Civil and Petroleum Engineering	12		
	VI.	Dean, Faculty of Architecture & Management Sciences (AMS)	13		
	VII.	Dean, Faculty of Electrical and Computer Engineering	14		
4.	NED University of Engineering and Technology: Journey through the century (1921-2021).15				
5.	Ima	Image Gallery of Founding Members of NED University, Benefactors, Principals, & VCs18			
6.	Mes	sages of Senior NEDians in Pakistan and Abroad	20		
7.	Alumni Success				
	l.	Engineer Asfia Aleem	43		
	II.	Ashraf Habibullah	44		
	III.	Major General Khurram Anwar Qadri	45		
	IV.	Tarique Mustafa	45		
	٧.	Harris Khalique	46		
	VI.	Raghib Hussain	47		
	VII.	Engineer Zeenat Anjum	48		
8.	NEI	NED Alumni Associations around the World5			
	l.	NED International Alumni Network of North America - NEDIAN-NA	50		
	II.	NED Alumni Association of Alberta – NEDAAAB	51		
	III.	NED Engineers Association of Greater Chicago – NEDEA	52		
9.	NEI	O Alumni Memory Lane	54		
	l.	Old Picture Gallery	54		
	II.	Celebrations after Last Class (Batch 1983-84, Mechanical)	56		

#### TABLE OF CONTENTS

	III.	Atta Muhammad Soomro (Late)	57	
	IV.	Seva Kunj Memories	59	
	V.	The Discontent in the NED College	61	
	VI.	They make a car from junk!	63	
10.	Univ	University Advancement and Financial Assistance (UAFA)		
	I.	NED University Alumni Network (NEDAN) Lifetime Membership Card Distribution Ceremony	66	
	II.	Commemoration of Defense Day and Observance of Solidary with Kashmiri Peoples	68	
	III.	In the Memory of Late Professor Muhammad Nauman	69	
	IV.	Participation of NED University Alumni in Women Conference 2019	71	
	V.	NED University International Alumni Convention	73	
11.	Univ	ersity International Advisory Board	75	
12.	Faci	lities and Services	76	
	I.	Research Centers and Centers of Excellence	76	
	II.	Technological Infrastructure	81	
	III.	NED Academy	83	
	IV.	Chinese language	83	
13.	Memorable Photographs of NED Notable Events			
	I.	Chinese Traditional Culture Carnival (14-Nov-2019)	84	
	II.	Affordable Housing National Workshop (09-March-2019)	85	
	III.	NED University of Engineering & Technology Convocation – 2018-19 (12-Jan-2019)	86	
	IV.	Inauguration of Thar Institute of Engineering, Sciences and Technology Tharpakar, NED University of Engineering and Technology (23-Oct-2019)	87	
	V.	Inauguration of Urban Forest Initiative (01-August-2019)	88	
	VI.	Launching Ceremony of CO2 Smart Executive Club (15-Jan-2019)	89	
	VII.	NED University International Alumni Convention (Day-1; Picnic) (27-Dec-2019)	90	
	VIII.	NED University International Alumni Convention (Day-2; Multi-Disciplinary Seminar & Welcome Ceremony at Old Campus) (28-Dec-2019)	91	
	IX.	NED University International Alumni Convention (Day-3; Open Day) (29-Dec-2019)	92	
	Χ.	NED University International Alumni Convention (Day-3; Dinner) (29-Dec-2019)	93	
14	Was	Forward	94	

#### **Disclaimer**

The messages in this booklet reflect the views expressed by the NED University Alumni. These messages 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 messages 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 views, facts, information and experiences shared by the contributors are their own and do not represent the official views of the university. The messages obtained and included in the publication are irrespective of discrimination on basis of race, color, age, gender, marital status, or any other basis. 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 that could be injurious to any other individuals, groups and/or institutions. Due credit to the available source of information for the articles acquired and included is provided in the publication.

#### 1. Acknowledgements

The editorial team of the booklet is deeply indebted to the support and assistance received from a number of quarters. Thanks are due to the Vice Chancellor, Professor Dr. Sarosh Hashmat Lodi; Pro Vice Chancellor, Professor Dr. Muhammad Tufail; Dean Faculty of Civil & Petroleum Engineering, Professor Dr. Mir Shabbar Ali; Dean Faculty of Architecture and Management Sciences, Dr. Noman Ahmed; Dean Faculty of Electrical and Computer Engineering Professor Dr. Saad Ahmed Qazi; 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 out profound gratitude to all the alumni of the NED College and University who earnestly responded to our requests for sending their messages for inclusion in this booklet. May we state that this volume contains messages from a small cross section of our alumni, which extends to a very vast number. We intend to continue publishing sequels to this publication on a regular basis in the times to come.

We take this opportunity to sincerely thank all corporate groups and organizations that sent their advertisements to make this venture financially viable. One of the purposes of publishing this booklet is to create a fund raising vehicle for our various academic activities and seek support from the 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 attended NED University International Alumni convention and make this event an outstanding success. It is our sincere hope and desire that the young folks, who are privileged of obtaining admission in this university, shall benefit from the wealth of experiences shared by their peers. We expect that many of them shall become part of the assorted galaxy of prominent mentions, some of whom are included in this volume.

#### 2. The Team



Professor Dr. Noman Ahmed, Dean, Architecture and Management Sciences; Acting Director UAFA



Dr. Najeed Ahmed Khan, Associate Professor, Department of Computer Sciences & Information Technology



Dr. Bilal Zahid, Associate Professor, Department of Textile Engineering



Ar. Fareeha Tehseen, Lecturer, Department of Architecture and Planning



Dr. Muhammad Sohail Haneef, Assistant Professor, Department of Material Engineering



Dr. Aamir Zeb Shaikh, Assistant Professor, Department of Telecommunication Engineering



Mehwish Arif, Lecturer, Department of Humanities



Hina Muhammad Ali, Lecturer, Department of Humanities



Muhammad Hassan Abbasi, Cooperative Faculty, Department of Humanities



Rabel Ahmed Memon Assistant Director, UAFA



Syed Adnan ul Hassan Naqvi Staff, UAFA

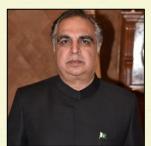
#### 3. <u>Messages</u>

#### I. Governor of Sindh



SINDH GOVERNOR'S HOUSE Telephone: 021-99201201-3

#### MESSAGE



It gives me immense pleasure to learn that the NED University is organizing its international alumni convention on 28-29 December, 2019. As one of the premier institutions of higher learning in this region, NED and its graduates have made significant professional contribution. NED Alumni have been in the forefront not only in conventional domains but in emerging technologies as well. They have made their mark in these diverse fields due to good quality education and enriching learning environment provided to them in the campus.

The publication of NED Experience booklet shall become a source of inspiration for the aspiring students. It will help them benefit from the experiences of their seniors and help them work at the frontiers of knowledge. I wish the entire NED fraternity success in their present and future ventures.

IMRANISMAIL)

#### II. Chief Minister of Sindh



#### **CHIEF MINISTER SINDH**



# MESSAGE SYED MURAD ALI SHAH, CHIEF MINISTER, SINDH

\*\*\*\*\*

It gives me immense pleasure to extend felicitations to NED alumni on the occasion of international convention, being held on 28-29 December 2019. Being an alumnus myself, I can relate to the wonderful experience that all of us had during our studies. The band of competent teachers and their affectionate conduct, lovely campus environment with sports fields and spacious learning spaces, joy of interacting with bright young co-students and the surety that we all would make it big in our respective lives, were some snippets of the overall experience that we all benefited from. As I travel. Meet and interact with a hoard of different people in my official capacity and otherwise, I invariably run into many NED alumni who are doing well in their respective areas of work.

The home coming of NED alumni to the campus shall be a memorable occasion. It shall enable up go down the memory lane, touch base with comrades and interact with our younger colleagues. I wish the orgazniser a very successful event and hope that this tradition shall continue in future as well.

\*\*\*\*\*

#### III. Professor Dr. Sarosh Hashmat Lodi Vice Chancellor

I am delighted to express my gratitude to you all for being with me as we honor together, the history of our University. For almost a century now, NED University has nurtured generations of leaders and good citizens in engineering and allied discipline who are working for the benefit of the society with integrity and wisdom.

NED University graduates have been proving their worth by holding leading positions in esteemed organizations around the globe. NED University's alumni have provided their utmost support through continuing involvement with their alma mater towards a new zenith of



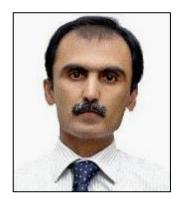
achievements. Alumni of any University are its strength, and we, at NED University consider alumni as our treasured asset for their consistent presence and contribution to the nation's and global economy, their ingenuity, unmatched loyalty and school spirit, good will and skills. Such are the qualities that are positive and make an impactful difference in university's working.

We, alumni and the University, are working collaboratively for the benefit of students and scholars. I consider us all trustees, who are nurturing the University for the upcoming generation who may be required to be considerate of challenges and problems they might face in future. I am cognizant of the fact that a single individual cannot possibly determine the success of an institution – especially not one as multifaceted and deeply grounded as NED University.

#### IV. Professor Dr. Muhammad Tufail Pro Vice Chancellor

I am pleased to write a message for NEDAN, our shared experiences bring us closer to each other. The main objectives of the NEDAN include; promoting a strong relation between NED University and its alumni, facilitating university to develop and achieve academic excellence. We together can help each other out, and you are encouraged to support your alma mater.

If you consider, your experience at NED University has a worth and the university has enabled you to achieve a leading position in various esteemed organizations. And if you wish to reciprocate the



same for university, you can do it through your valuable time, talent and treasures. We are extremely appreciative for those of you who have contributed in any capacity and continue to do so. The NEDAN invites all alumni to get more engaged with the university to ensure that NED University of Engineering & Technology remains the first priority for the future generation of students.

NEDAN can assist university in achieving its goals through consistent involvement and support that could be extended to university. I need you to revisit the campus, invest your time with the students and provide career insights, help mentor a student. Through the generosity of our alumni, we can help NED University in maintaining its position as a high-profile world class university. Keep us notified of your accomplishments and milestones to inspire the lives of our current students who would be the leaders of future.

#### V. Professor Dr. Mir Shabbar Ali Dean, Faculty of Civil and Petroleum Engineering

This year marks the beginning of an exciting era as NED University is closing to its centennial celebration. All facets of the University are planning and gearing up for the activities and new projects that encompass the celebration of our legacy and remarkable history. In this regard, the Faculty of Civil and Petroleum Engineering possesses a unique belonging as it carries the Department of Civil Engineering under its emblem. This Department not only was the pioneering Department during the establishment of this high prestige institute about a century ago, but also leads in almost all initiatives in education, research and outreach, being the pride of NED University.



NED University is more than simply a place where students spend a couple of years perusing a degree, this institution and all associated individuals are one big family which through years have contributed immensely in the social and economic development globally. I have met countless alumni and with every meeting and interaction, the one constant conclusion that I end up formulating is how significant and special this community of alumni is of NED University. It is with our alumni networks we connect and form meaningful personal as well as professional relationships that extent throughout our careers and lifetime.

Driven by the passion and love for their alma maters our alumni over the years have contributed and collaborated on multiple academic and entrepreneurial ventures which has added value to this institution and our society. I have a tremendous sense of optimism and I anticipate that by carefully nurturing our alumni community we can create a space in our university where collaboration, linkages, innovative projects, mentorships are encourages between alumni and our enrolled students across the board, creating a culture where we promote the advancement of technology and achievement of our sustainable goals.

I am proud to affirm that the success of our university and all faculties is owed to our generous alumni, goal-driven students and passionate faculty who actively contribute to the university's progress in the academic, research, technological and social domains. I pray that we facilitate and nourish such an environment of continuous collaborations where all stakeholders – students, teachers and alumni are supporting one another for years to come.

<sup>\*</sup> Dr. Mir Shabbar Ali honorably retired on 01 December 2019 from the university services. On behalf of editorial team and UAFA, we wish him well in all his future endeavors.

# VI. Professor Dr. Noman Ahmed Dean, Faculty of Architecture & Management Sciences (AMS) Acting Dean, Faculty of Information Sciences & Humanities (ISH)

This is an extraordinary moment as the NED University's centennial celebration approaches this year and it is my immense pleasure to share my thoughts as the Dean ISH and AMS of this prestigious institution. Through years of dreaming, planning, designing, building and hard-work NED University has become one of the top varsities of the country which is indeed a moment of pride for every associated faculty, staff, student and alumni. Over the years NED University has made remarkable progress by adding value through its academic and research contributions with interdisciplinary breakthrough in the technological, social and economic domains. As our university continues to grow our alumni and friends have



been with us in every step of the way from funding projects, supporting through scholarships or mentoring our enrolled students. Across the globe our students and alumni are successfully carrying the legacy of NED University as professional who are the economic minds, social scientists, creative human beings, champions of their discipline, orators, entrepreneurs, community leaders and masters of global prosperity.

I am confident that this initiative documenting the experiences of our worthy alumni will create a collaborative and enabling environment to showcase our alumni contributions and success stories which is a motivation for our students, faculty and a reminder of our institutions prosperous impact. I wish all of them a memorable convention and extend best wishes to them and their families.

### VII. Professor Dr. Saad Ahmed Qazi Dean, Faculty of Electrical and Computer Engineering

The continued excellence of NED university of Engineering & Technology is built on the academic and research contributions of all our faculties with special acknowledgement to our strong and comprehensive Electrical, Electronics, Computer and Information System, Telecom and Biomedical Engineering departments which are recognized consistently across Pakistan and globally for their innovation, quality and high caliber - talented students. We are the home to numerous cutting-edge laboratory facilities in fields including the Artificial Intelligence, Cloud Computing, Cyber security, Robotics, PV Testing, Smart Grid and ABB control system among



others; while offering inclusive, well-balanced yet challenging teaching and learning environment. Our undergraduate, postgraduate and doctoral students are equipped with emerging disciplinary and multi-disciplinary knowledge, skills and life-long learning abilities which enable them to successfully contribute in the fast pacing industries and economies at national and international level.

The celebration of our centennial completion is a moment of immense pride as we jointly acknowledge that our university has educated some of the greatest minds who have not only changed the local disciplinary and industrial dynamics but are continuously contributing in filling the research, technological and academic gaps at the global arena. Our alumni community has participated whole-heartedly in the progress of our university to transform the academic, research and social outlook.

The NED Experience is a great opportunity for our alumni as they are sharing their stories and professional advice with our students while providing contacts for professional networking and space for technological development. The connection between the university and our alumni community is stronger than ever and will continue successfully for the time and generations to come ensuring the prosperous growth of NED University of Engineering & Technology.

## 4. <u>NED University of Engineering and Technology: Journey through the century (1921-2021)</u>

Professor Dr. Noman Ahmed, Professor and Dean, Faculty of Architecture and Management Sciences

NED University of Engineering and Technology is one of the oldest institutions for teaching and producing engineering graduates in this country. It was founded as Prince of Wales Engineering College in 1921. The present name was given to it few years later in recognition of generous donation by the family members of the well known philanthropist, Mr. Nadirshaw Edulji

Dinshaw. Historical records indicate that the need for qualified civil engineers for mega projects such as Sukkur Barrage led to development of this institution. After Pakistan came into being in 1947, NED University continued to serve the nation. In 1977, it was upgraded as NED University of Engineering and Technology and relocated to its present main campus at University Road. More laurels were earned by the institution thereon. The prime pride of NED University has been its graduates most of whom have done very well in their respective professional careers. NED University alumni have also played a pioneering role in various fields of engineering



works after Pakistan came into being. Some domains of professional contribution include consultancy, professional advice, setting up laboratories, research, industrial development, technical training and education, collaborative assignments, entrepreneurship and expansion, quality assurance mechanisms, management of units, design innovations and several others. The



work of this invaluable human resource has had far reaching impact over the period of time. Development of indigenous capabilities in design, management and operation of vital industries and enterprises, evolution and expansion of new forms of industrial arrangements in production and support for state policies of industrialization during various regimes are some salient mentions that have been vital for the progress and prosperity of the nation. In other words, this university has played a pivotal role in augmenting technological and industrial development by providing dependable cadres of engineering graduates. A sizable number of these graduates constitute the invaluable human capital in the form of overseas Pakistanis. They are gainfully employed or running their own enterprises in the Middle East, United Kingdom, United States, Malaysia, China, Europe and many other parts of the globe.

The policy and practice of the present day administration in this university assigns the highest

priority to quality in education. Many years ago, the university took the revolutionary step of obtaining ISO 9000 certification to structure a quality management system which could transparently ensure prescription and practice of quality oriented approaches throughout the campus. Few outcomes have become very prominent in this respect. The academic year and programmes are strictly followed. Due to the sincere efforts and hard work by the faculty, students and staff



members, degree programmes are completed strictly in accordance with announced schedules. No delays of any sort have occurred especially since almost two decades. Follow up on student



performance is the most important attribute in academic management in this university. All students are motivated and advised to show cent percent attendance. Under any circumstances, students are not allowed to appear in annual examinations if they possess less than 75 percent aggregate attendance. To keep parents and guardians informed about the regularity of students, letters are periodically dispatched long before the conclusion of each academic year. The parents then get ample time and opportunity to take corrective action. The campus management teams, while providing

congenial environment for optimum learning, also remain vigilant regarding any possible antisocial activities. All such attempts that tend to threaten academic discipline are nipped in the bud in the larger interest of students and their future! And it may be noted that about 40 percent students are girls. The numbers of the fairer sex is also increasing in ranks of the faculty. Gender sensitivity in terms of safety, security and facilities is a foremost objective of the university administration.

Providing a wholesome atmosphere to students, a large number of co-curricular and sports activities are regularly staged. Debates, exhibitions, seminars, conferences and other such events are a regular feature of the academic calendar. The office of Controller Student Affairs manages these events and activities by carefully synchronizing with the study schedules. In addition, the students are also exposed to the needs of actual working environment through internships in the various



industries. Directorate of Industrial liaison keeps close coordination and follow-up with industrial and public sector concerns of various ranks and profiles. The students in third year and other classes benefit from this vital exposure. In many cases, the employment of interns after graduation becomes guaranteed when the prospective employers view the potential and capacities of the students. As the country has launched China Pakistan Economic Corridor (CPEC) initiative, Chinese language (Level 1 & 2) is taught to all undergraduate students since

the past two years. Besides, a community service programme for all the undergraduate students is a compulsory course where the students receive theoretical and practical association with a worthwhile community initiative in various sectors.



Institutions take ages to evolve. They take even greater time spans to depict their outputs and potential. But it is an even uphill task to maintain the high standards set during the process of evolution. The NED University has experienced a phase of rapid growth, expansion and development in its recent past. It now comprises three campuses viz main campus on University Road, Latif Ebrahim Jamal Campus on Stadium Road and the City Campus on Maulana Din Mohammad Wafai Road. In 2019, the university

also opened Thar Institute of Engineering, Sciences and Technology (TIEST) at Islamkot (Thar) to enable the bright young people of Sindh to benefit from quality higher education at their door steps. The classes already began in 2019.

For the future, the university is focusing on developing a broad based research culture amongst its faculty and scholars for accelerating generation of worthwhile contributions to knowledge in all the concerned domains.



#### **ALUMNI REGISTRATION**



#### We are looking for NEDIANS!

If you are an Alumnus of NED College / University and haven't got your registration yet, please register yourself as an Associate Member NED Alumni Network (NEDAN) through our website, link given below:

http://nedapps.neduet.edu.pk:8080/alumni/index.jsp

#### Director

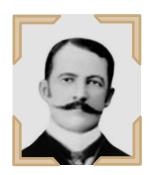
University Advancement & Financial Assistance NED University of Engineering & Technology Main University Road, Karachi -75270, Pakistan Tel: +92 21 99261261-68, Ext: 2212

"GET CONNECTED"

Email: uafa@neduet.edu.pk

# 5. <u>Image Gallery of Founding Members of NED University, Benefactors, Principals, & VCs</u>

#### **Founding Members**



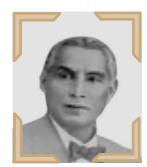




Nadirshaw Edulji Dinshaw



Hoshang N. E. Dinshaw



S. C. Sahani

#### **Principals**



Rai Sahib Bhupatrai



G. N. Gokhale



S. B. Junnarkar



M. K. Kewalramani



Rustom E. Mirza



Syed Mahmood Alam



Sirajuddin Ahmed



Illahi Baksh M. Soomro



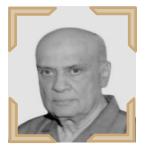
Abdul Hameed Khan



Shaikh Manzoor Ahmed



Muhammad Ibrahim



Ali Nawaz Jokhio



A. M. Akhoond First Vice Chancellor

#### **Vice Chancellors**



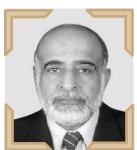
A. T. Khan Second Vice Chancellor



Jameel Ahmed Khan Third Vice Chancellor



Muhammad Munir Hasan Fourth Vice Chancellor



Abdul Qavi Qazi Fifth Vice Chancellor



Abul Kalam Sixth Vice Chancellor



Muhammad Afzal Haque Seventh Vice Chancellor



Sarosh Hashmat Lodi Eighth Vice Chancellor

#### 6. Messages of Senior NEDians in Pakistan and Abroad

Name: Professor Dr. Abdul Samad Khan

Batch: 1962-63

Discipline: Civil Engineering

Organization: Sir Syed University of Engineering and

Technology Karachi

Position: Professor

Past: Ex-Dean (Civil Engineering and Architecture)

NED University Karachi



It has given me a great pleasure to learn that the administration of the University is celebrating Centenary of NED University (1921 – 2021). It is a pleasure to send greetings to this prestigious institution and to all those associated with it. I am a NEDian graduate of 1962 batch associated with NED University from 1962 to 1966 as a student and from 1967 to 2013 as a faculty member.

In my memory, NED Institution as a "University" came into existence because of the efforts of the college unions at that time. Student unions were the representatives as one of the stakeholders of education in Karachi. As an example, how student union helped the NED University administration to shift from old campus to the new campus. As I recall, one of my student, Mr. Sardar Hanif (well behaved and liked by everyone) approached and assisted me by taking charge of the infrastructure at the new campus from then Project Director as no other faculty member was willing to take this responsibility. Once officially taking the charge of the new campus, the student union then announced the shifting and starting of classes at the new campus. However, there was no official commemorative ceremony to celebrate this. The other important events to remember by old NEDians were annual functions and third year study tour visits within Pakistan.

After the establishment of the University, many prominent teachers such as Professor Aziz-ul-Hassan Khan, Professor Dr. A. T. Khan, Professor Jameel Ahmad Khan, Professor Shamsul Haq and others contributed much for the development of the University. Nevertheless, one should not forget the major contributions of my Vice Chancellor (Late) Engineer Abul Kalam, who transformed the University academically and administratively in the present form.

The aims and the objectives of the present administration are laudable and I wish the University all success in her future undertakings for the high standard of education. The NEDians motto should be:

"Dedication to excellency in Engineering"

**Contact Details:** 

dr askhan@yahoo.com

Name: Syed Muhammad Pervez Sadiq

Batch: 1963-64

Discipline: Mechanical Engineering

Organization: Lum Engineering Position: Founder & CEO

I graduated in 1967, in Mechanical Engineering from the old campus. In those days there used to be very limited choices, you either became an engineer or a doctor or you picked arts subjects. I did my Inter-science from D.J. College, Karachi and used to see across to NED University wishfully. In those days, there used to be a lane connecting NED College and D.J. which now has been closed.

Like now a days, admissions to NED University were strictly on merit. I took admission in Civil Engineering since my father wanted me to be one.

For one year and nine months I was studying Civil Engineering but was not too happy. So I went to see Dr. Ibrahim, who was then the Chairman of Mechanical department to change my field to Mechanical. He asked me just one question "Can you cover the course" and I said yes and that was that. So I finally graduated from NED University in 3<sup>rd</sup> position in 1967. The moral of the above story is to do what you love and follow your dreams and not to look at others.

If I remember correctly, there were about 300 to 350 students in 1963 with only one female student Ms. Asfia who joined in 1964. The best thing about NED University was that we were not concerned about cast, color or creed and we also had quite a few foreign students in these days. In fact one of our class fellows was a son of a gardener but we never even bothered about it.

After graduating, for a few months, my first job was teaching at NED University but then later on I moved to Heavy Mechanical Complex Taxila and then to the Industrial Development Bank. I was lucky to get a merit scholarship to Imperial College, London where I did two Masters, one in Thermal Power and the other in Production Technology. It was there I realize the importance of education I received at NED University since I did not feel much difficulty in adjusting there. (Other Pakistani universities had to do one year prequalification).

After a few years abroad, I returned back to Pakistan and was with Philips Pakistan for about 15 years. Then I started my own business which I continued for 25 years. Presently, I am into teaching and consultancy. My hobbies are scuba diving and off-roading.

It's surely is a moment of joy and happiness that NED University will complete its 100 years,

#### "An Era Par Excellence"

But NED University should look forward to maintain the zeal, to stay one of the best institutions of Pakistan and the world.

My advice to NED University is to get sufficiently involved with the industry and have a product (students) which is suitable for the industry and that can only be done by forging close links with the industry.

My advice to students of NED University today is that they should try to of course excel in their field but also try to be an all-rounder. Secondly, make the best of the opportunities at NED University and go out of your "comfort zone" and the most important thing is "LOVE WHAT YOU DO". It is very important to have a passion for what you do.

#### **Contact Details:**

pervez.sadiq@gmail.com

Name: Sohail P. Ahmed

Batch: 1963-64

Discipline: Mechanical Engineering

Organization: Pakistan Japan Business Forum

Position: Chairman and CEO



A visit to NED University old campus raises nostalgic memories of engineering education, friendships wrought, debates on yum yum tree, sports, hostel life, kali hotel, the Irani hotel opposite the college. Professors as Dr. Ibrahim, Dr. Jamil, Anwar Choudhary, A.T. Khan, Kamali, Miscreanas and many other teachers, for each we had a pet name. I and my three friends used to sit on the last bench in the class. We learned to play bridge as well as chess, while studying late into the night in a group. We all did well in class too.

Allah has been kind to me and I became CEO of two state sector automotive companies at the age of 38 and have been on boards of many state sector and private companies, retiring recently as Advisor to Chairman of a large Pakistani conglomerate with very sizeable foot prints in automotive sector.

No one can take NED University out of me; it is indelible, as I am sure it will be in your life. Engineering teaches you how to think analytically, which is missing in most people, and be comfortable with numbers. These are valuable assets. You have seen engineers as lawyers, finance ministers, judges, patent lawyers and of course in engineering profession. NED University will add to this basic asset as you interact with the issues, problems and people at the campus. It will mature you and help you to meet the challenges in life.

May all your dreams come true; mine did. I hope you dream big.

Name: Engineer Fareeda Javed

Batch: 1964-65

Discipline: Electrical Engineering

Past: Principal Govt. Polytechnic Institute for

Women, Islamabad,

Faculty Consultant Colombo Plan Staff

College, Manila

Advisor Pakistan Engineering Council, Lahore



It gives me immense pleasure to write this message as NED University alumni. I graduated in 1970 with electrical discipline. There were three batches of female students. In first batch there was only one female student, in second batch; three female students and in third batch we were six. At that time the only option for female students was civil engineering. As I wanted to become pioneer so I desired to opt for electrical engineering, and luckily Professor Anwar Chaudhary (sports in charge/HOD) helped me out. My two other colleagues also joined this discipline later. Since then I enjoy being one of the first female electrical engineers of Pakistan.

I completed my degree in old campus where atmosphere of campus was full of life and favorable for curricular and extra-curricular activities. This environment helped us to excel in studies as well as co-curricular activities. NED College then Principal Illahi Bux Soomro and his faculty proved to be extremely helpful in our journey.

In 1969, first ever inter-university female table tennis championship was held in Lahore due to keen efforts of the Professor Anwar Chaudhary. As I was senior most table tennis player, I was nominated as captain, and we won this championship.

I cherish and treasure my memories of old campus- Its classrooms were old fashioned but very comfortable and convenient for learning process. Labs of civil, electrical, electronic and mechanical had limited basic equipment but sufficient for concept clearance of the subjects. Foundry, metal shop and wood working were also very old but good enough for practical purposes. Female students were very keen to perform practical by themselves though it was difficult task. However some of male students used to take help by lab assistants to get the job done. There was also a small canteen where we used to take our refreshments and enjoy our leisure time in a very lively atmosphere.

We used to have lots of co-curricular activities such as mushairas, debates, sports and social evening. Once we had Josh Malihababi and Dilawar Figar in one of our mushairas. In one of our debate competitions we had renowned poetess Parveen Shakir for English debate, and once we had Munni Begum popular singer in one of our social evenings.

The quality engineering education and unique learning environment have produced world class engineers who occupy high positions even at international level such as Silicon Valley, AT&T, and NASA etc.

I wish and pray that NED University gets higher ranking worldwide in top engineering universities index.

#### LONG LIVE NED University, LONG LIVE NED ALUMNI

Name: Jamshed Akhtar Danish

Batch: 1965-66

Discipline: Civil Engineering

Organization: Consolidated Engineering Service (Put) Ltd,

Karachi

Position: CEO



Entry to NED University was a change point in my life. It opened up vista and I could see my destination. I enjoyed every moment of four years at NED University and it was great experience of learning from teachers and interaction with classmates. The learning was not merely acquiring technical knowledge but it was here I learned "how to learn" and discipline yourself to be punctual, dedicated and thorough. NED University provided me strong base which helped me a lot in qualifying for my next higher degree of Master of Engineering, specializing in Geotechnical Engineering and also helped me in rest of my professional carrier to achieve the distinction that today I stand as recognized specialist in Geotechnical Engineering.

During last 100 years, NED University has established its recognition of grooming youngsters who have greatly contributed in development of their motherland. I have faith that NED University will continue to serve for centuries to come.

I am thankful to NED University for what I am today!

#### **Contact Details:**

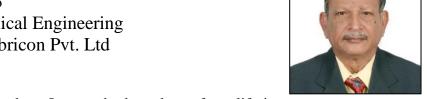
ces@cyber.net.pk,

Name: Syed Javed Nasir

Batch: 1972-73

Discipline: Mechanical Engineering Organization: M/s. Fabricon Pvt. Ltd

Position: CEO



As a mechanical engineering student, I spent the best days of my life in NED University and made countless memories. The most memorable episode related to my university life is the one where we were on a tour. We took my motor bike on train bogie and after the tour in Peshawar we went all the way to Gilgit on motor bike and then on my way back we joined group in Islamabad. It is a memorable part in my life and my friends who were with me in this cannot forget this memorable episode.

My main observation after passing through NED University has been that my teachers and staff had spent quite some time in inculcating the spirit of engineering which has helped me a lot after passing out. I started my own business with my father Syed Nasir Hussain and since then I am on my own.

I am grateful to NED University for imparting this knowledge in their engineers and because of NED University I am running my own company named as Fabricon Private Limited and in which I am engaged in manufacturing of industrial machinery and allied accessories for industrial and commercial application. Currently I have two different divisions in my company. One is handling prefabricated building in special construction technique known as slide gate steel construction and is a most popular emerging technology for construction of houses industries and offices. These are light weight and very fast tract in construction you can build house of 250 square yard in a matter of 4 to 5 weeks which are earthquake resistant and manufactured on computer control CMC wall forming machines. And the other product is via manufacturing elevator for houses and personal use for old people, patients and special people who cannot climb stairs. NED University transmitted such knowledge in me, which I utilized to the hilt for building of very complicated machinery and equipment.

I am overwhelmingly indebted to NED University for making me a person that I always dreamt of becoming. Since NED University has made me who I am today, I am always here for NED University and its welfare.

I wish the publisher of this and even managers for this centenary Best of luck and have a very prosperous future.

Name: Engineer Rukhsana Rahooja

Batch: 1972-73

Discipline: Civil Engineering Organization: Trans-Karachi

Position: Member Board of Directors

Past: Retired from Council for Works and

**Housing Research** 



NED University has come a long way from a small engineering college, established in the heart of the old city of Karachi to a sprawling university spread over acres of land on the University Road. I am proud of being part of the procession that marched from the old city campus to the newly constructed campus on the University Road on a hot summer day of 1975. It never lost its glory, neither in the small city campus, overshadowed by the majestic D.J. Science College Building, nor in the relocated campus adjacent to the Karachi University.

NED University always remained one of the most well-known engineering college/university throughout the world. Even today, after nearly 47 years, I peep down the aircraft window to catch a glimpse of the iconic chimney of the old campus and the overhead water tank, the hallmark of NED University of today.

Be honest in your profession, Pakistan needs you for its development.

#### **Contact Details:**

rukhsana.rahooja@gmail.com

Name: Jamshed Rizvi

Batch: 1973-74

Discipline: Civil engineering

Organization: Pakistan Engineering Council

Position: Vice President



My experience at NED University of engineering and technology was enlightening and I appreciate the time that I have spent at NED University. I have graduated from NED University in the year 78-79. When I was admitted in NED University, our teachers were very hard working and sincere with their profession. There diligence and direction have inspired my inner confidence to climb at the pinnacle of my ambition. I give credit to NED University for all the success that I have been able to achieve in my lifetime. Teachers have freely allowed us to express our experiences, thoughts and opinion, which helped me to gain the insight into many of the concept that we have learned. Apart from this, I had a fantastic time with my friends as I still remember that at university, I used to play cricket with my friends and always wins the matches.

NED University has always been there to support its students and alumni. It has always been a platform which encouraged us to work hard and build a better future. The University helps its

students to polish their skills that help them to move in the corporate world confidently. It will be unfair if I won't mention my seniors the way that they have supported and guided us throughout our journey at university. It's been a long time since NED University is providing its remarkable educational services to the students and society which is directly contributing in building our nation.

I observed that there are many changes that have been taken place in NED University's educational system. I have been so blessed by the teacher's encouragement and willingness that helped me fully grasp the course material. The teachers of that time have empowered me to make a difference in my life and in the lives of the people that are looking up to me. Teachers used to encourage us to participate in the extra co-curricular activities. I further recommend that the new comers should help each other. Students should support and guide each other as we did. They should follow the similar path that their seniors have been following.

Name: Aftab Hussain Siddiqui

Batch: 1977-78

Discipline: Civil Engineering

Organization: Paragon Constructors Private Limited Position: Chairman and Managing Director

The period of four and a half to five years in NED University was a very

memorable period and I had the best time of my life there. Along with education, we also worked for NED University and served it in the best way, for which we arranged different functions and programs. NED University was very important for us and we always gave priority to it. We made transport arrangements and printed books and we also did lots of welfare programs for students. Build a better NED University was the aim at that time, and we all adored NED University and we were always ready to do anything for NED University; this was that time of youth when affiliations were becoming stronger.

In my time we used to depend more on our teachers and books, but now the way of education has been updated and everything is on our finger tips. The access of information is very easy. Therefore, technology is very beneficial for our students as wells as for our teachers. I still remember, in our time, even scientific calculator had not been allowed, I think in our last semester we had been permitted to use it and that too with certain conditions. Those days are truly unforgettable.

A lot of extra-curricular activities used to be held in NED University. The university won the Inter-University Cricket tournament for the first time and last time till date in '81. And at that time, we had quite an amazing student week annually, in which debates took place. In our time there were extraordinary speakers, there were debaters from Urdu and English both, there were culture, arts and crafts programs.

All the skills that I developed beside education were from NED University. In that time, I was in a student union. I was an Arts secretary and for four years, I trained with them. And all the soft skills Managerial skills, Administrative skills and confidence were developed and inculcated in me. NED University has contributed a lot to my personality along with education.

Moreover, NED University has a very important place in my life, and I am always keen to serve NED University. NED University has given amazing people to this world and right now NEDians that are working overseas are working brilliantly in their respective fields. I myself am a member of parliament.

I and other alumni are very excited for the centenary. All of us are going to participate and give the message that each one among us who is reunited today, at the same place, still love NED just as much as we adored it in the past. It is because of NED University that we have achieved remarkable and respectable positions and designations in our lives. Hence, I am always available to extend my services to NED University in any way I possibly can. The vice chancellor Dr. Sarosh Hashmat had also been my junior and with him I have a close Liaison. I want to see NED University to grow and prosper. In today time a lot development has been done in NED University twenty-two to twenty-three faculties have been introduced. In our time there were only four faculties. NED University has a huge contribution in the development of Pakistan, but it is sad that NED University is on the fourth or fifth number while in our time NED University was number one in Pakistan. We have to improve the standard, we have gone down, and we have to come up again. For this we have to make efforts. NED University is an old institution, and it should be number one institute of Pakistan.

We should be ethical, disciplined and work with honesty to serve our nation and its people in the best and productive manner possible.

Name: Professor Dr. Mohammad Aslam Uqaili

Batch: 1980-81

Discipline: Electrical Engineering

Organization: Mehran University of Engineering and

Technology, Jamshoro, Sindh

Position: Vice Chancellor

I got admission in NED University in 1981. At that time, peoples have only two choices either to opt for engineering degree or for medical degree. Besides there were few limited options for pre-engineering students for engineering universities in the country. In that scenario, the brand image of NED University was highly valued. Both, the students and their parents were obsessed with this image. Parents had considered themselves blessed if their child got admission in NED University as getting admission in NED University was much more than dream came true.

NED University being one of the oldest Engineering institute and its graduates are spread around the world have been playing progressive roles in multiple dimensions. Besides, it has distinguished itself as one of the few institutions that impart high quality education at very nominal charges.

Our study period at NED University was golden period due to multiple reasons. That era was ruled by Mechanical technology and the revolution in IT was in adolescent stages. The life was much simple in those days. The mode of enjoyment was group gatherings, discussions, hanging out with friends, sports and etc. But all above extra curriculum activities were part of our student live with compromise on education quality. The education system of NED University was so comprehensive that it was fully dedicated to instill professional knowledge of the highest order along with focus on character building.

I have been associated with education sector for last 30 years at different key academic and administrative post, member and chairmen of different advisory boards and committees, communities' development services and NGOs. And rendered outstanding services for these organizations and uplift their performance. I believe that all such dedication and capabilities were developed within me during my study period at my Alma mater.

#### **Contact Details:**

aslamuqaili@yahoo.co.uk

Name: Ayaz Mirza Batch: 1981-82

Discipline: Mechanical Engineering

Organization: K-Electric

Position: DGM, Compliance & Risk Management

**Business Finance** 



I am professionally associated with K-Electric for more than 25 years. Just after passing out I joined that organization as I mechanical engineering graduate. I have worked in different departments in K-Electric but now a day I am employed in a department named "Business Finance".

I am associated with IEP for approximately last 15 to 20 years. Also I have been its secretary from 2005 to 2018 (December). In this duration, I've also been a member of central council and local council. I've also been a chairman mechanical engineering discipline. Apart from that in this duration I've been twice a member of government body and as well in Pakistan Engineering Council.

I am indebted to the NED University for what I am today. Regardless of my MBA and further accomplishments, being a NEDian is my real identity. The time that I spent in NED University was the glorious period of my life. Along with passion and competition of studies, the freedom that we acquired made us create some of the most memorable moments. There was student union

during our time, and we saw different good and bad dimensions of it so most of my memories are attached with those aspects of my university life. Besides being cautious about studies, we pursue extracurricular activities enthusiastically. I still remember whenever the weather was good; we would adjust the classes and plan class picnics. Mostly we went to cinemas in Karachi. Our teachers loved us, and we respect them all.

I'm happy as NED University under the supervision of Dr. Sarosh Hashmat Lodi is doing various other works as well such as establishment of incubation center. NED University's rating is getting higher in every forum. NED University's name is in everything. Teachers are also being promoted and going abroad for studies, number of PhD's are also increasing, and their representation is also increased in Pakistan Engineering Council. It's good in all aspects for NED University.

I am in a committee for the arrangements of Centenary of NED University (1921-2021). An Alumni network is going to establish a convention in November Insha'Allah. So our goal is to include minimum 12,000 people in this convention out of which 2000 people would be from abroad and 10,000 locally within Pakistan and Karachi. As I have mentioned we have to make NED University proud and reach to the level that it will set an example. NED University is our brand indeed.

Your success depends on commitment and hard work, how much you are committed to what you have targeted in life and how much you work hard to accomplish that commitment. Obviously, good luck also plays a role in that, but your hard work and commitment leads you throughout the process. No matter which profession or subject you decide on, being honest and committed will make your success sure.

NED University's role impact is that whatever I am today it's because of NED University and there is no argument in that.

Name: Bushra Nadeem Mufti

Batch: 1981-82

Discipline: Civil Engineering
Organization: Gravity Works
Position: Managing Partner

I have often heard people say that your time as a student is truly the best and one of the most memorable periods of your life. Now having covered a considerable degree of my journey I cannot emphasize enough the truth of this fact.



For me my time as an engineering student at one of Pakistan's premier institutions has been an achievement that I am not only immensely proud of, but is a time I look at with fondness and sweet nostalgia. I still remember my first day on the NED University point, with trepidation I stepped on the bus and was surrounded by unfamiliar faces, but by the end of the journey they all become lifelong friends. The memory of walking through the universities' corridors is still fresh

in my mind. Racing through the crowds to reach Professor Afaq's class was a thrilling experience and not less stressful than the rivalry of the student election period. After class picnics and beach trips were a regular occurrence and gave us ample time to plan the year's annual day. Perhaps the most vivid memory of my time at NED University is associated with all the tasty food Baloch offered me. He was the only man allowed in the girls' common room and his position was well-earned. If I close my eyes today, I can still taste the yummy Briyani and the delicious samosay.

My experience as an engineering student at NED University has completely shaped my life. It has taught me to be the person I am today and am so incredibly grateful for this experience. Not many girls then and even today are presented with the opportunity to learn at the hands of teachers who are experts in their fields. I am therefore eternally grateful to my father who supported me and who gave me this chance. To all the girls who will follow me and who may wish to draw lessons from my journey I can only share what I have learned. I have learned that in life opportunities do not just land on your feet, you have to work towards them. I have learned that maintaining a home life is important but working towards your career and life goals is equally important. Today I am proudest of my career because it is a source of my strength and I am so glad this legacy will continue with my son, as my father's has lived through me.

My Father was part of the first few batches of NED University after partition. He had heard of a great university in Pakistan and was determined to be a part of it so that he could serve his nation and country. NED University has continued to produce engineers that have served their country either through high level jobs or through building businesses. NED University's alums spread far and wide across the world and I am confident this institution will continue breed the next generation of leaders for the next hundred years as well.

#### **Contact Details:**

bushra.nadeem@eaworld.com,

Name: Muhammad Shakil Qureshi

Batch: 1983-84 Discipline: Mechanical

Organization: Karachi Water & Sewerage Services

Improvement Project, Karachi Water and

Sewerage Board

Position: Director Investment



When somebody intends to write on the experiences or memories of his University days, he naturally chose to mention something exclusive. While most of the student life experiences are the same for many and they are equally delightful. However, for the students who remained there in NED University campus during start to mid-Nineteen-eighties, they literally carry unforgettable memories of some unprecedented events. For some, they were horrible too. And when after few years of my passing out, I visited the campus in the period of Engineer Abul Kalam, the then Vice Chancellor, I took a sigh of relief and thanked Allah SWT for the change I

saw. Though it looked a bit like a school than a university, but that I wholeheartedly overlooked with all that peace and order prevailing in the Campus.

In our days in NED University, we saw the Student Union time and the times after it was forcibly banned by the Dictatorship; the worst thing that could have happened to us in our beloved Alma Mater. We saw how Nationalism was killed by a single order of the day and how people who used to be friends and brothers to each other became opponents. The rise of ethnicity and the aftermath cast one of the worst memories in the lives of many who were there to witness that bitter reality came upon them with all its harshness and indifference. Thank God it has passed and now I love to visit my University again and see people around as I live in Karachi and my next generation has also become NEDian.

The memories of pursuing B.E in Mechanical discipline in our days of NED University always come with few personalities whom we can never forget. On top of every one was Dr. Qari Mir Asad Ali who was also the teacher of many senior professors of Mechanical Engineering Department. Qari Sahab taught us Metallurgy and we used to call him Father of Steel in Urdu what he probably was in literal sense as many of us still believe. With him, Dr. Muzaffar and Dr. Syed Firasat Ali, we tasted the flavor of Aligarh Muslim University of pre-partition India, where teachers used to teach life in their classes and not the subject only. May Allah SWT always shower His blessings upon all of them.

During our times NED University passed through a great deal of turbulence. Because of that we had to organize our final year classes at the Old Campus and the last class celebrations of our batch took place at the famous Burns Road of Karachi instead of main campus fountain, something peculiar of my batch only.

Presently I am working in Karachi Water & Sewerage Board in the capacity of Director Investment, KWSSIP (Karachi Water & Sewerage Services Improvement Project), a Reform Led Investment Program funded by the World Bank to improve the Water & Sewerage infrastructure of the entire Karachi along with bringing sustainable institutional reforms in the department to make it a financially viable customer oriented Water Utility.

Hundred years is a mark of history in any institution's life. NED University will have it in 2021. In Sha Allah. Congratulations to all NEDians in general and the present management in particular more specifically the Vice Chancellor, Dr. Sarosh Hashmat Lodi and his team, Dr. Muhammad Tufail, Dr. Noman Ahmed and Syed Wasiuddin, who are the men behind all of this happening right now. NEDians should be thankful to them in providing an opportunity to connect back to the Alma Mater and old friends for which they have taken a lot of efforts and resources to make this grand re-union possible for us.

Becoming an NEDian makes you a part of a very strong and well knitted fraternity. We have expanded so much that NED University alumni are found in almost every part of the world. They love to see one another cooperate and extend all possible favors to one another and the culture of respect of seniors sometimes seems more disciplined and honored than that of Civil Services or even Pakistan Army.

However, the core message from me to all NEDians is to support each other in good only. And this should be generally disseminated as a permanent trait of an NEDian that he never supports his buddy in evil, for which our Holy Prophet SAWW has very rightly guided us in his famous tradition to help our brother when he is oppressed by providing him all out support and hold his hands firmly to stop him when he himself has become an oppressor, which is in fact, the best way to help him.

#### **Contact Details:**

mshakil.qureshi@gmail.com

Name: Muhammad Imran Qureshi

Batch: 1983-84

Discipline: Electrical Engineering

Organization: E-Mech International (Pvt) Ltd (Builders &

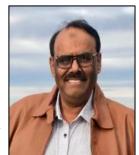
Operators of 5-Star Hotels and Motels)

Position: Founder & CEO

Past: Founder of Different Institutions: Seerat

Research Center, Dilshad Begum Foundation,

Ramada Hotel (Karachi)



Being affiliated with NED University as a student was an important phase as university life here was different from other academic institutions in terms of the academic rigor and the environment. It gave me the exposure to challenges and opportunities that I hadn't encountered before. Fortunately, I studied in NED University (Main Campus) for four years and got a great experience with regard to the learning at post-secondary institutions. Studying technical subjects, participating in various kinds of activities and planning for future career development were the important parts of my university life. Through the exposure to different knowledge and skills that I received in our graduate program, I was able to upgrade my engineering and business knowledge while develop my technical and human skills.

The syllabus and course material provided by the faculty members was closely related to the commercial world. We had a great opportunity to contribute different concepts and creative ideas related to business engineering field while learning new techniques to innovatively excel in various projects. Personal growth such as independence and self-discipline were developed both implicitly and explicitly through various academic subjects and co-curricular activities. Participating in different kinds of activities in my university life specially associating with the Progressive Student Federation (PSF) were critical as they provided me with opportunities to widen my outlook and helped in developing various skills that enabled me to progress professionally and personally. I even became associated with some other societies, but the best experience was what I attained while serving in PSF which supported me in accomplishing the different assignments especially in USA, Saudi Arabia and other parts of the world with the people from diverse social and ethnic backgrounds.

In NED University, I actively participated in various extra-curricular activities such as playing different games and departmental events which developed my communication and social skills

that helped me to interact with other students, lecturers and professors. Planning for future career development was an important aspect of my time at the university as I envisioned myself to be an engineer and a successful businessman. I used to have gatherings with my colleagues near the main fountain and we always talked and shared our future plans during and after our group studies there.

By the blessings of the best, the hard work of our teachers and the trainings we received at NED University, I successfully managed to become a successful businessman and a skilled engineer who completed numerous projects including Ramada Hotel of Karachi. Technical skills including that of team work enabled me to run Dilshad Begum Foundation under which we are not only doing the welfare/charitable work but developing an encyclopedia of more than 100 Volumes on the biography of our beloved Prophet Muhammad in Urdu and English Languages which will be later translated into 13 other languages of the World.

To conclude, my time in NED university was extremely worth it and beneficial for all my personal and professional experiences. Being a NEDian, I received the chance of upgrading my knowledge in academic and non-academic field which nurtured my personal and professional skills. I have learned from my time in this prestigious university to never give up when the going gets tough and I follow by this lesson everyday... everywhere.

Name: Yousuf Hussain Mirza

Batch: 1985-86

Discipline: Mechanical Engineering
Organization: International Steels Limited
Position: Chief Executive Officer

I am a Mechanical Engineer, who passed out from NED University in 1991, from the batch of 1985-86. I am currently working for International Steel limited, as a Chief Executive Officer.

I was very lucky in the sense that the teachers I had at NED University. They created a spirit of curiosity and investigation in us and motivated us to work hard and accept responsibilities. This contribution that NED University has, at least for me, was very profound. I had very good teachers who made me the man I am today. I still remember that our esteemed teachers never hesitated even for a second to help and facilitate us. Whenever I reached out for help after class, they always gave me time and were extremely supportive. I cannot recall any moment when I asked them for help, and they made an excuse. This is something I really appreciate and am grateful for.

As an individual I really like reading, the habit that formed during our time at NED University. Whenever I play cricket, it takes me back to the days of NED University - The fountain in NED University that used to be our cricket field, you may have seen that fountain, now it's not allowed to play there I think but to us that was our go to place.

My peers and colleagues are settled all over the world. We made a group in which there are approximately a hundred and fifty people from the batch of 85-86. We keep meeting each other from time to time. So, you see the bond between NEDians is very strong and it transcends the limitation of time through the medium of technology.

The one thing that I always remember from my time at NED University was this one teacher, Sir Muzaffar Mahmoud, who class took place after 1:00 PM. It used to be the last class but it was always full of fun. The most interesting and memorable thing was that I was the official calculator in his class. My job was to recheck his answers after he had solved questions; this is something I never forget. Another incident happened, I think it was our final year, there was a lot of chaos happening and I was also at the forefront of it. I did not know, by chance when I turned around, Dr. Jamil who was the Vice Chancellor, he quietly came in and sat down in the class after hearing all the chaos, and I was at the front fore of that chaos, suddenly when I turned to my right he was sitting there and glaring at me, I felt like my blood froze in my body. That's a memory which still brings goose bumps and a smile on my face.

Yesterday's education was more application based. I have 30 NEDians working under my supervision. Today's education has the benefit of application due to internships. Back in our time there was no such facility.

NED University has played a significant role in my career development. NED University has made me a professional and globally competitive. The biggest contribution of NED University that it made me professionally very strong that I've competed with the senior engineers and graduates of different countries, I've worked with them and at no point in time I thought that our skills and knowledge are less than theirs. If you look at them, surely, they've spent thousands of dollars in their education and universities in America and Europe. But we always stand out. For me this is the biggest contribution of NED University.

As far as I remember NED University started in December 1920, it was initially a college and in 1970 it became a university, so for the 100th year of NED University I believe that the next 100 years must be better than the last ones. NED University's footprint in Pakistan and around the world is amazing.

My only message for new comers is that there is only one way to succeed in life is - hard work, and with hard work you need to work smartly too. The purpose of smart work is that you make yourself relevant, when you are a technologist you have to keep updating yourself. Be a lifelong learner.

Name: Asad Said Jafar

Batch: 1982-83

Discipline: Electrical Engineering

Organization: Signify Pakistan Limited (formerly known as

Philips Pakistan Limited)

Position: Chairman, & CEO



It is a distinct privilege for me to share my views as an alumnus of NED University of Engineering and Technology, one of the oldest and probably the most premier engineering institutions of Pakistan. The very mention of alumni brings before us the glorious past and the distinctiveness of our University that we are old, large and have gone from strength to strength over the years. It conjures up vivid memories of yester years, the nostalgia & rich heritage and traditions of the past, which have shaped our University.

My years at NED University in the Electrical Engineering Department, pursuing a bachelor's degree has been the most amazing and meaningful learning experience of my life. I especially value the inspiring interactions with our professors, the close friendships made with other students, the supportive administrative staff and imbibing the atmosphere & unique feel of the place, in the 1980s, as the best part of being a student at NED University. We were blessed to have some of the country's top professors, who encouraged and equipped us to become competent practitioners, communicators and stewards of technology and at the conclusion of our studies to enter the 'practical' world with confidence and excitement.

At NED University we have continued to develop as an icon of higher learning with an international outlook and global outreach. The university has grown from a relatively small engineering university to a large community of enormously talented and committed academic and research staff; expansion into numerous new & extremely relevant technology & disciplines with hundreds of undergraduate, postgraduate and research students; and thousands of alumni worldwide.

I am sure that NED University will continue to build on its century-long glorious heritage and endeavor further towards building a progressive Pakistan - where meaningful innovations and ideas will be nurtured for the shared prosperity of the country.

I am glad to know that the Centenary celebrations of the NED University are being organized to mark the 100 glorious years of this illustrious institution. Congratulations to the entire faculty, management, alumni, students, benefactors and friends who have contributed to the success of the University in the past 100 years.

Being part of the Alumni network I can proudly say that the alumni of NED University have distinguished themselves, both, at the national and international levels. They have spread far and wide globally and done their Alma Mater proud by excelling themselves as academicians, administrators, scientists, scholars, entrepreneurs and technocrats. Several of them have reached heights of excellence in their respective fields and are significantly contributing to the socioeconomic development of the nation and, indeed, the world at large.

Over the years, we have crossed several milestones, made significant contributions to the advancement of knowledge and kept pace with the changing times and needs of new generations. We have transitioned from a traditional University and are now surging ahead to become a pace setter in the field of higher education with an international outlook and a global outreach.

I convey my best wishes for the future journey of this prestigious institution in its efforts to take the nation towards greater glory.

For 100 years, the NED University has been educating leaders and innovators of the future, imparting to its students the knowledge, skills, and vision necessary to make a difference in their communities and in the world. In the course of a century, much has changed in the sphere of engineering and its affiliated pedagogy. The way that we live in this world has drastically changed with the advent of computers, Internet of Things (IOT) and an overall transformation of technology. At NED University, we have to ensure that we continue to develop our students and faculty to involve them in the mission to make the world a better place – through research, development and involvement in topics of national and global relevance through use of technology with focus on sustainability.

As the NED University celebrates its centennial, it is clear that two things have remained constant over the decades—a deep commitment to academic and ethical excellence and the resultant crop of exceptional engineers who begin their professional journey to make a positive impact on this world. One can only imagine what the next 100 years will bring!

#### **Contact Details:**

asad.jafar@signify.com

Name: Ambarin Asad Khan

Batch: 1990-91

Discipline: Electrical Engineering

Organization: Salford Business School, University of

Salford, Manchester, UK

Position: Lecturer



I did B.E (Electrical Engineering) from NED University in 1996. Besides, I hold MSc. in Management of Science, Technology and Innovation from Alliance Manchester Business School and a MBA in Marketing from Institute of Business Administration (IBA), Karachi, Pakistan. The thirst of knowledge compelled me to have PhD in Innovation, Management and Policy at Alliance Manchester Business School where I focused on "Breakthrough Technologies and Emerging Industries: The Role of Entrepreneurial Firms, Incumbents and Intermediaries in Organic and Printed Electronics."

I have rich experience in academia and industry in Pakistan. Later on I progressed in my career in academia and worked as a lecturer in International Business and Management at Alliance

Manchester Business School and currently as lecturer at Salford Business School, University of Salford, Manchester, UK.

I can confidently state that the NED University Experience that I had 2 decades back has played an instrumental role in the transformation of my life. Those times were quite different, the opportunities and options were not many; I was driven by ambition to get into what was one of the most prestigious Engineering Institutions and getting admitted into the Electrical department was the best thing that happened to me and my family.

I still remember the morning that I first entered the premises with motivation and pride. Dedication of our mentors and teachers inculcated the desire to achieve the pinnacle within our professional field; they were always there to guide us through. Time management, self-discipline and dedication were some of the traits learned during the tough four years that have enabled me to thrive during my journey through PhD in Innovation Management.

Life during my NED University years was not only about academic excellence and competitiveness, but it also instilled the sense of community, friendship and companionship that has lasted through the years and I would consider this social capital as a valuable asset. Though I did not pursue a career within Engineering, it gives me a sense of satisfaction to see all my batch mates to have made tremendous professional progress. For the upcoming generation they should be able to put their faith into what NED University is capable of offering them

#### **Contact Details:**

a.a.khan6@salford.ac.uk

Name: Mehnaz Adnan

Batch: 1990-91

Discipline: Computer Engineering

Organization: Institute for Environmental and Science and

Research. New Zealand

Position: Science Leader

I did B.E (Computer Engineering) from NED University in 1996, MS degree in computer science from NED University and PhD in Computer Science (Health Informatics) from University of Auckland, New Zealand.

NED University has played a critically important role in my academic life as I have done both my Bachelors and Masters from here. Later, I completed my PhD in Computer Science from University of Auckland, New Zealand. I have an overall professional experience of more than 22-years, and my previous employers include Jaffer Business Systems, Sir Syed University of Engineering and Technology, University of Auckland. Now I currently working as Science Leader in Institute of Environmental Science and Research which is one of the four crown research organization in New Zealand.

Some of the best years of my life were spent at the NED University Campus. The computer systems and electrical engineering were within one department and our friends include people from both disciplines. We used to do combine study, outings and a lot more together. The golden days! NED University built a "can do" attitude in us which is trivial in surviving today competing world of technology. NEDians stand out!

I wish my Alma Mater continuing progress and success.

Name: Ayaz ul Hassan Khan

Batch: 1998-99

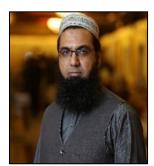
Discipline: Computer Science and Information

**Technology** 

Organization: Karachi Institute of Economics and

Technology

Position: Assistant Professor



I am proud to be a graduate of NED University, a precious engineering university providing excellent education in various engineering disciplines. As a founding student of the Department of Computer Science and Information Technology, I remained a part of various academic and extra-curricular activities throughout the 4 years of my degree program including class and exam scheduling, curriculum development, picnics, sport events, annual dinner and other social events. NED University developed in me the skill of lifelong learning that supports me to learn emerging technologies with ease. I still remember of searching contents for the topics in the courses in various books in library and articles online. DSAYMAAFY, our class group, dispersed across three nationalities but is still in contact and meeting occasionally during visits of these countries by group members. The learning habit that I had developed during my stay at NED University helped me to get higher research degrees up to PhD in totally a new field of massively parallel programming. NED University teaches its students to always remain competent in his/her professional and social activities.

Still remembering the venues with friends like MEC Corner, Canteen, Central Library, Jumping to KU behind canteen, queues for fee submission at the bank, white house (admin block) visits, lending library, photocopy shop for notes...

I am happy to be a student of NED University and now a visiting faculty member to teach various courses at graduate level. NED University as a discovery learning environment will always keep its student competent in the market. Insha'Allah. Always keep your knowledge on top of your experiences as the principle of hikmah in your life.

#### **Contact Details:**

ayazhk@gmail.com

Name: Arsalan Ahmed Farooqui

Batch: 2000-01

Discipline: Computer Information Systems Engineering

Organization: Practical Schooling System

Position: CEO, & Director

I was the student of NED University Batch 2000 from CIS department. During my time when I was a student, the teaching staff was full of

professionals. They were not only professionals but mentors. I remember our chairperson Shahid Hafeez Mirza who was an exceptional figure.

NED University also taught me to be a sportsman, as I learned swimming, golf, and cricket. Even, today I want to explore these activities if I am active.

All the students in our batch have become successful professionals in their own capacity. Some are working in telecom sector, others pursuing their MBA degrees. After graduation some went abroad on scholarships for Masters. Some joined the faculty in NED University and the research sector.

I remember one of the celebrations in NED University on 14<sup>th</sup> August in which I had to perform on stage and sing a song. And I sang "Yaaron Yehe dosti hai" and the crowd went crazy. It was indeed a memorable day.

NED University is a blessing for this country. We have no another engineering college even close to the status of NED University. It is a university that everyone can afford. The fee structure that NED University provided the students and the students that went all around the world, is like a public service. The dedication in the teachers, the way admin involves, and the salary structures are same as the world top universities.

I want NED University to initiate research base teaching and projects which is the core curriculum of every university across the globe. Degree should be based on research not on a specific curriculum the student has to go through in four years and then get the degree. There should also be some business-related subjects as electives so that when a student gets out with a degree, he would also have some business-related ideas and abilities.

We must make this organization to rise. Contribution to this university must be done from all aspects whether it is intellectually, financially, through networking, or constructing buildings because there are millions of alumni of our NED University. If little amount of contribution would be taken from each of them, we will be able to construct a new department there. Therefore, keeping in touch with your organization is important.

Name: Aaqib Gadit
Batch: 2004-05
Discipline: Electronics
Organization: Gaditek

Position: Co-founder and Director



It's an honor to share my views as an Alumnus of NED university, one of the greatest names in Academia both nationally and globally. Over the last 100 years, NED University has consistently produced thousands of inspiring and talented leaders who have served as great ambassadors of our country and who have performed miracles all over the world.

During my years at NED University, I built great confidence in my logical thinking, decision making, analysis, and problem-solving skills. I highly value all that learning experience and it has helped me evolve as a well-rounded Entrepreneur.

While working closely with the Industry Advisory board, it was great to see that NED University's forward-looking Management is actively pursuing linkage with Industry and international exposure for its faculty and students. I believe NED University is in a perfect position to do for Pakistan what Standford did for Silicon Valley in the U.S. In this regard, initiatives like NIC (National Incubation Center) are commendable.

Education is changing rapidly, both the content and its delivery and will fundamentally change in the next 10 years. We shall gear up for the post-AI evolution.

Entrepreneurship and favorable thriving eco-system can contribute massively for the Pakistan economy, inspiring to see that NED University wants to be the core component of this eco-system and have started having a strategic view of this along with a good execution team.

Another century in the making...

God bless NED University.

Name: Naresh Kumar Maheshwari

Batch: 2009-10

Discipline: Computer Science & Information Technology

Organization: QuickStart (Pvt.) Ltd

Position:

Time flies' like an arrow. As I walk across the empty hall I look back, count my steps in this university. I have walked this path many times but it's different every day. With each step, each sound I have here a



memory. It was my privilege to be the student of NED University which provides best learning and pleasant environment with practical exposure. I feel great affection with this wonderful institution all my life.

NED University has given great opportunities to develop one's personality in any Engineering & Science field like, CSIT, Infosec and many more.

What we learn, discover, and contribute together will depend on the strength of our connections. This Centennial offers the occasion to celebrate a century of success, and to rededicate ourselves to the goals of an exceptional learning environment at NED University.

## "TODAY IS A NEW DAY, WHAT CAN WE DO WITH IT?"

The trials of yesterday are behind you. A new university day dawns, and with it come possibilities. Chances for success, empathy, and discovery are abundant. Inspiration is everywhere you look. The opportunity to be better than you were yesterday is right here, right now. When we're young, we have a harder time letting stuff go than we do as we get older.

## **Contact Details:**

Shardha\_nedian92@live.com

Name: Shabina Mushtaque

Batch: 2010-11

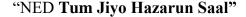
Discipline: Computer Science and Information Technology

Organization: Usman Institute of Technology Karachi

Position: Junior Lecturer

It was my dream to get admission in NED University when I was preengineering student. I feel myself to be lucky when my dream came true

and I got admission in NED University. Not a single, but all memories in NED University are beautiful and I had a wonderful experience as student, Alhamdulillah with good academic record.



#### **Contact Details:**

Shabinamushtaq92@gmail.com

# 7. Alumni Success

# I. Engineer Asfia Aleem

Engineer Asfia Aleem is the "First Lady Engineer of Pakistan" having graduated from the NED

Government Engineering College Karachi with a First Class Bachelors' Degree in Civil Engineering. She completed her post-graduation in "Concrete Structures and Technology" from the prestigious Imperial College of Science and Technology, London, followed by a short-term Research Project on "Admixtures for Concrete". She has worked at senior positions in well-reputed organizations of Pakistan, viz. Gammon Pakistan Ltd, Pakistan Steel, Airports Development Agency, Civil Aviation Authority, NED University and Sir Syed University of Engineering and Technology Karachi. Her area of specialization is structural design and pavement design.



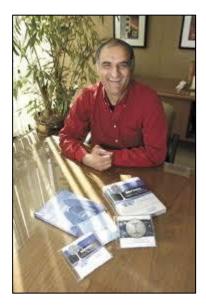
She has mentored several engineers in the profession of Civil Engineering and continues to strive for improving the quality of engineering professionals with special focus on gender equality in general and in the engineering profession in particular. She has attended many courses on various topics (engineering and non - engineering) and has delivered lectures and written papers.

She is a Life Fellow of the Institution of Engineers, Pakistan (IEP). A Hall in the Institution of Engineers, Karachi Centre, has been named as "Engineer Asfia Aleem Hall" to honor her meritorious services to the engineering profession. She has received a gold medal from IEP for her services. Engineer Asfia Aleem has been an active member of the Central and Local Councils for many terms and has been elected as Vice Chairman (Civil) of the Karachi Centre. She has been an active member of the Think Tank Committee and the Committee for Continued Professional Development (CPD) of the IEP. She has been elected twice to the Governing Body of the Pakistan Engineering Council (PEC). She was twice selected as a Member of the Syndicate and the Selection Board of the NED University. Engineer Asfia Aleem is a member and fellow of a number of professional bodies, both national and international.

She has received many awards and medals for her meritorious services in the field of engineering and for promoting the cause of women and women engineers. She is founder member of PAULA (Pakistan Association of Universities in London Alumni) and CFE (Citizens for Environment). She is a serving member of various organizations, viz, Rotary Club, English Speaking Union of Pakistan (ESUP), Karachi Boat Club, Karachi Gymkhana, ABPAW (National Association of Business, Professional, and Agricultural Women), CAWS (Community for Animal Welfare Society), IFBPW (International Federation of Business and Professional Women), Arts Council Karachi and other NGO'S serving the community and citizens at large. Engineer Asfia Aleem is a social activist and a strong supporter of literary and cultural activities.

#### II. Ashraf Habibullah

Mr. Ashraf Habibullah received his M.S. degree in Civil (Structural) Engineering from the University of California, Berkeley and B.E degree in Civil Engineering in 1969 from the **NED College** (University of Karachi), Pakistan. He has been serving as Founder, President, and CEO of Computers & Structures, Inc. (CSI) since 1975. He is a registered civil and structural engineer in California.



Mr. Habibullah has led research and development efforts for CSI software for nearly four decades. CSI is recognized globally as a pioneering leader in the development of software tools for structural and earthquake engineering. CSI software is used by thousands of engineers in more than 160 countries for the design of major projects, including World Trade Center in New York, the east span of the San Francisco Bay Bridge, the Burj-e-Khalifa in Dubai, and the Centenario Bridge over the Panama Canal. CSI software is also widely used for research and education. CSI software has been provided to the following University-related organizations at no cost or at steep academic discount: Departments of Architecture, Environmental engineering and Civil engineering of NED University; Lawrence Berkeley National Laboratory, College of Environmental Design of University of California Berkeley; Forest Products Laboratory, USA.

Mr. Habibullah is also recognized for his tireless work in supporting the arts and for championing the oft-overlooked artistic aspects of structural engineering.

Mr. Habibullah has received a number of awards and honors in recognition of his contributions, including: Charles S. Whitney Medal from the American Concrete Institute (ACI, 2011); H.J. Brunnier Lifetime Achievement Award from the Structural Engineers Association of Northern California (SEAONC, 2010); American Society of Civil Engineers (ASCE) George Winter Award (2005); Outstanding Individual Contribution to the Arts Community Award from the San Francisco Business Arts Council (2004); Community Involvement Award for the Structural Engineers Association (2000); and Arts Recognition Award from the Contra Costs County Board of Supervisors (1998).

In addition, he has served as an instructor for 15 years in Structural and Earthquake Engineering at University of California Berkeley Extension. He has also served as a committee member for the Joseph Penzien Graduate Fellowship Fundraising Committee, provided a major grant to the Berkeley Center for South Asian Studies, Urdu Language Program, and for many years sponsored the Berkeley Seismic Competition Team.

Mr. Habibullah recently visited NED University as an alumnus and graced everyone with his presence at the Annual Convocation 2018-19 and afterwards at a Workshop where he shared his vision and philosophy of life and hard work. He is known for his determination, knowledge, dedication and love for his profession and for the people of NED University.

## III. Major General Khurram Anwar Qadri

Mr. Khurram Qadri graduated in Mechanical Engineering from NED University of Engineering and Technology. He belongs to batch 1983-84. Afterwards he went through short Military Training at PMA in 1990 where he achieved overall first position in Pakistan Military Academy and was awarded the commandant's cane.



His first posting was at 10 Electrical and Mechanical Engineering Battalion Rawalpindi as a Captain of EME Corps. During his long journey of dedication and sheer commitment with the Pakistan Army, he served at various places and divisions in the country an abroad. He has been a part of Mission in Bosnia under the United Nations Support Program. He has commanded a Company in Okara, a Battalion in Bahawalpur and Base Workshop at Rawalpindi. During the course of association with EME Corps, he successfully completed his mandatory studies at Command and Staff College Quetta and National Security and War College at Islamabad. Besides, he has travelled extensively during his professional career and visited various countries for trainings and capacity building programs.

Maj. General Khurram Qadri has also served as Director (Technical) in Military Intelligence as a Brigadier before his promotion to the present rank. Currently he is serving as Director General Military Vehicle Research and Development Establishment.

# IV. Tarique Mustafa

Mr. Tarique Mustafa is the pride of NED University. He completed his bachelor's degree in mechanical engineering in 1987 from NED University and holds master's degree in Engineering and Computer Science from University of Southern California. Mr. Tarique was also awarded the prestigious Rotary International Scholarship for his Doctoral Studies in Computer Science at University of Southern California.

Mr. Tarique is the Founder, CEO and the 'Brain' behind the Ghangor Cloud's game changing technology and product. He is recognized in the industry as the leading visionary and expert in Information Security,



Advanced Persistent Threat and Data Leak Prevention. Mr. Tarique's groundbreaking innovation in Advanced Persistent Threat and 'Malicious Data Leak Prevention' has won international recognition. He is frequently invited as Keynote / Guest Speaker at prestigious Security Conferences and Forums.

Most recently, Mr. Tarique was the founding CEO/CTO of nexTier Networks – a Silicon Valley company that has built "Best of the Breed" award winning Data Leak Prevention solution and technology. Mr. Tarique has more than 20 years of industry experience in technical leadership positions at Symantec, DHL-Airways IT, MCI WorldCom, EDS, Andes Networks and Nevis Networks where he built industry leading security products.

Previously, Mr. Tarique founded Network Utilities (a Silicon Valley startup that built wireless infrastructure & security platform) that was acquired by Andes Networks. Mr. Tarique also served as the CTO of Andes Networks, architects of an SSL Security Appliance and acquired by Sun Microsystems in 2003 and served as Principal Architect at Nevis Networks where he was responsible for building next generation Security Monitoring and Security Event Correlation technology for IDS/IPS (Intrusion Detection/Prevention) and SSL/IPSec. Mr. Tarique has several patents (approved and pending) with USPTO (United States Patent and Trademark Office) and has published many research publications in the areas of Information & Data Security, Computer & Network Security, Software Architecture, Database Technologies and Artificial Intelligence.

## V. Harris Khalique

Mr. Harris Khalique graduated from NED University in 1990 and completed his MSc in Development Management from The London School of Economics and Political Sciences in 1999. Based in Islamabad, Pakistan, Mr. Harris is a critically acclaimed and internationally recognized poet of Urdu and English. He has various collections of verses and books to his name. His collections of poetry, Ishq Ki Taqveem Mein (Urdu) and Between You and Your Love (English) were particularly well received nationally and internationally. He won the 'UBL Literary Excellence Award 2013' in



the category of Urdu poetry for his collection of verse Melay Mein (Urdu). His other works include - Purani Numaish, Divan, Saray Kaam Zaroori Thay, if wishes were horses, Aaj Jab Hui Baarish.

Mr. Harris has been bestowed with numerous recognitions including the President's Award for Pride of Performance (one of the most prestigious state-organized honors of Pakistan) in the field of Literature and Poetry, Cholistan Award for Social Service, 2014 and has received the honor for Promoting Composite Heritage, Christian Study Centre, 2015.

Mr. Harris has actively participated in social, labor, women and minority rights movements and community development in voluntary and professional capacities throughout his life and has served on the Project Steering Committee of USAID-funded Gender Equity Project (2010-2012), Amnesty International, Human Rights Commission of Pakistan, Progressive Writers Association, Campaign for Nuclear Disarmament (UK), Transport and General Workers Union (UK); Governing Boards of SPO, Babul Ilm Library and Aurat Foundation, General Body of Sungi Development Foundation. Currently, Mr. Harris has been working with Development Alternative Inc. (DAI) as a consultant. He is also the Team Leader of 'AAWAZ – Voice and Accountability Programme focusing on the rights of women and excluded groups in Pakistan.

Throughout his career Mr. Harris enthusiastically contributed in academia and has been a guest speaker on themes straddling literature, politics, culture, education and scholarship, South Asian history, human rights and social development at University of Iowa, USA; Iowa City Public Library, USA; University of California, Berkeley, USA; Library of Congress, Washington DC, USA; University of Wisconsin, Madison, US; University of British Columbia, Vancouver, Canada; University of Heidelberg, Germany; Litterateur Werkstat, Berlin, Germany; London

School of Economics and Political Science and School of Oriental and African Studies, London, UK; University of Delhi and Jamia Millia Islamia, Delhi, India; Lahore University of Management Sciences and Forman Christian College, Lahore, Pakistan; Indus Valley School of Art and Architecture and University of Karachi, Pakistan; and, National Defense University, Islamabad, Pakistan.

Mr. Harris occasionally writes for newspapers and magazines in Pakistan and abroad, which include The New York Times, The Hindu, Deutsche Welles website and BBC website, etc. He has been writing regular newspaper columns for Dawn Books and Authors since 2017 after writing the lead op-ed for The News from 2008 to 2016. He has also worked as an outside contributor at BBC Radio Urdu Service in London and Radio Pakistan, Karachi. Besides having hosted talk shows on radio and television, he contributes to media widely as a writer, civil society representative and policy analyst.

# VI. Raghib Hussain

Information Technology and its success in Pakistan would never have reached the new heights without the contribution from Raghib Hussian. The journey of Mr. Raghib from Karachi to Silicon Valley and founding and running one of the fastest growing fabless semiconductor companies in the world, is a pretty incredible one.



Mr. Raghib's family denotes the historical struggle made by his parents by migrating from India to Pakistan. His father took a junior level job in government sector to improve the economic conditions with honesty, integrity and work ethics as being the basic tenets of life, and these values were later reflected in the personality of Mr. Raghib Hussain. Mr. Raghib received his earlier education from a government school and his motivation to learning and gaining knowledge at home with eleven siblings at a quick pace enabled him to grow rapidly in his life. At school Mr. Raghib's favorite subject was Mathematics which suited his analytical mind. He pursued engineering as his career path which allowed him to acquire, learn

and apply his knowledge and passion in a constructive, critical and analytical way.

At NED University, Mr. Raghib's thinking completely changed under the shadows of experienced and motivated faculty. The new ideas and strategies for learning and comprehension of knowledge had a great impact on his personality and thus the passion, thirst for knowledge and skills were sown. "We may have been deprived of a lot of things at the institution, but we had the appreciation of one fact: regardless of our background, we will be the ones responsible for what our life becomes". At NED University, Mr. Raghib developed skills and motivation to think outside the box and innovation.

Mr. Raghib wished to pursue further studies in USA and as luck would have it, he was hired as a Design Engineer in a subsidiary office of Silicon Valley, Semi-Custom Logic in Karachi. There he got engaged with a network of people which eventually lead him to show the world his competence and paved the path for his success as he went to US for advance training. This

experience was not new for Mr. Raghib as even in his student life at NED University, he developed an antivirus computer program where his vision was to protect each file in the database.

After coming to the United States and transitioning from being a trainee to a full-time employee, Mr. Raghib experienced the whole cycle of a venture funded startup when he was part of founding team of an internet security startup, called VPNet. After working with several startups as a part of Cadence Design Systems, Mr. Raghib ended up working at networking equipment giant Cisco Systems where he was responsible for developing the services card of their flagship switching product. Mr. Raghib hashed out the business plan and began laying the groundwork for Cavium Inc., a network security hub where he worked for almost twenty hours a day. Cavium Inc. soon reached its milestone due to its niche focus and a differentiated product, which was in tremendous demand by every company operating in the IT Security space. Their customers include Cisco, NSN, Huawei, Palo Alto Networks, F5, Dell and NetGear just to name a few. From Chief technology Officer to leading security and multi-core processor space and Chief Operating officer; Mr. Raghib's journey is one such to admire. Since 2018, he is serving as Chief Strategy Officer at Marvell and also leading their growing Networking and Processors businesses as Executive Vice President.

Mr. Raghib philanthropic aspect motivated him to establish Koshish, a non-profit organization that provides mentoring, virtual learning, scholarships, and has made numerous contributions at NED University. Among other causes, he is s a supporter of the ChildLife Foundation, The Silicon Valley Education Fund, East Palo Alto Kids, Green Scholars, GiveLight Foundation, Doctors without Borders, and the Citizens Foundation. He also serves at Research and Development Center for Asia Pacific Policy Advisory Board.

Mr. Raghib Hussain has achieved great heights in the field with his passion, dedication, positive attitude backed by vast technical expertise and entrepreneurial skills. Today he is one of the inspiring individuals in the IT world and an inspiration for the students of NED University.

# VII. Engineer Zeenat Anjum

An automotive engineer and entrepreneur, Zeenat Anjum owns a content marketing agency 'The Masters' and have devised 'Digiwrite' as a community. This endeavor was shortlisted for Facebook's program #SheMeansBussiness. Digiwrite was further nominated at different conferences in and outside Pakistan such as Momentum Tech Conference, to compete in Get in the ring (Germany) etc. This program was also honored to be in the list of top 100 startups. In May 2019, she was one of the youngest fellows in TechWoman to be selected worldwide. She was invited at NED University twice for Cyber Security



Pakistan Conference and as a key note speaker in IEEE WIE NED University. She also gets invited at different places to encourage people and spread knowledge of her vast experiences. She had been a guest speaker, freelancer and entrepreneur at Habib University, Bahria University, IoBM and many other different organizations. Anjum also got the privilege to be invited to 18<sup>th</sup> CEO SUMMIT ASIA (2019). She was a member for organizing 'Propellair: RC

Aircraft Competition'. In the year 2012, Anjum completed training in "KNOW YOUR RIGHTS" campaign by youth Parliament of Pakistan and also represented NED University in 14<sup>th</sup> Allama Iqbal Bilingual Competition. She also got an invitation to MARCON'16 by Marketing Association of Pakistan at Marriott.

Other than being respected, awarded and invited to different eminent places and events, Anjum's certifications added more value to her achievements. She got certified for E-commerce analytic from Google Analytics, Project Management Essential from Management and Strategy Institutes, Six sigma- White Belt from Aventa Business Institute, Project Management Workshop NED University, HP Life e-learning for effective leadership, social entrepreneurship, Advanced CAD from KTDMC, E-commerce Analytics and project management and essential. She was also awarded certificate of participation in SHELL ECO MARATHON (2012).



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# 8. NED Alumni Associations around the World

Edited and Compiled by Hina Muhammad Ali, Lecturer, Department of Humanities

NED University of Engineering & Technology with its centennial history has the remarkable pleasure of having its graduates and alumni serving and contributing successfully across the globe. NED University has the privilege that its alumni networks and associations are present throughout the world where they not only share a bond with its alma mater but are empowering the NED University family in creating immense academic, research and commercial opportunities for communities and societies globally.

We take great pride in highlighting some of our eminent alumni associations who are serving their alma mater, NED University graduates and alumni whiling creating numerous networking and progressive opportunities to grow and excel in all disciplinary and multidisciplinary domain. Some of our Alumni Network and Association include:

### I. NED International Alumni Network of North America - NEDIAN-NA

North America is home to thousands of NEDians, some of whom have formed NED University Alumni Associations in their areas. NEDIAN-NA (NED International Network Alumni Network of North America) is an umbrella organization for various NED University Alumni Associations in North America, linking the University and the alumni with the ultimate goal of uniting NEDians around the world and empowering them to better serve their



Alma-Mater, NED University. Established on July 31st, 2010 at 6th Alumni International Convention in Chicago, it has been registered in the State of Illinois.

NED International Alumni Network of North America (NEDIAN-NA), which includes US and Canada-based NEDian Alumni Associations among its members, has created a North American NED Alumni Endowment Fund (NED ALEF) with the vision of becoming a force and partner in making NED University a world-class University, more advanced and better in all aspects. Following are the various alumni conventions held by the NED University Alumni Network and Association.

- NED 2019 PHI 15th International Alumni Convention
- NED 2018 DC 14th International Alumni Convention
- NED 2017 Michigan 13th International Alumni Convention
- NED 2016 Houston 12th International Alumni Convention
- NED 2015 Toronto 11th International Alumni Convention
- NED 2014 Silicon Valley 10th International Alumni Convention
- NED 2013 Connecticut 9th International Alumni Convention
- NED 2012 DC 8th International Alumni Convention

- NED 2011 New Jersey 7th International Alumni Convention
- NED 2010 Chicago 6th International Alumni Convention
- NED 2009 Los Angeles 5th International Alumni Convention
- NED 2008 Connecticut 4th International Alumni Convention
- NED 2007 Silicon Valley 3rd International Alumni Convention
- NED 2006 New Jersey 2nd International Alumni Convention
- NED 2005 Houston 1st International Alumni Convention



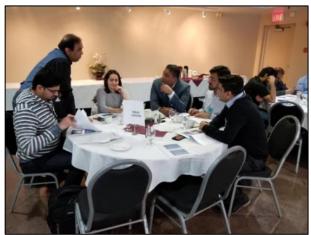
#### II. NED Alumni Association of Alberta - NEDAAAB



NEDAAAB is an Alumni Association of NED University graduates in Alberta. The organization is working to promote NED University by providing professional and social forums for NEDians in Alberta to interact with each other for mutual benefit and growth. NEDAAAB strives hard to contribute positively in the overall growth of Alberta through the continuous induction of its best engineering professionals in the local job market. It has high value for its members and always encourages them to interact amongst themselves by participating in professional and social events organized

through this platform. NEDAAB's objective is to serve as the linking pin between all NEDIANs throughout Canada, especially in Alberta, for this purpose various events are organized including:

- NEDAAAB Eid Dinner 2019 Edmonton
- NEDAAAB Eid Gala 2019 Calgary
- Seminar on "Understanding of Engineering Work Flow and Deliverables"
- Fundamentals of Line Hydraulics, PSV
   & Control Valve Sizing & Selection





- NEDAAAB Indoor Tape-ball Cricket Tournament (Calgary)
- Leadership Workshop- Edmonton
  - FUN BOWLING EVENT Edmonton
- Badminton Tournament Calgary
- NEDAAAB Eid Gala 2018 Edmonton
- NEDAAAB Eid Gala 2018 Calgary
  - Leadership Workshop Calgary
  - Indoor Cricket Event Edmonton

# III. NED Engineers Association of Greater Chicago - NEDEA

The pride and sense of accomplishment all our graduates is further continued and strengthened as members of the Alumni network of NED University. An NED University alumnus is a vital part of a community - one who feels inspired connected, and strong together. At the NEDEA, it's the priority to keep that community alive long after graduation. NEDEA is extremely proud in the belief "Once a NEDian, always a NEDian".

For the continuation of this spirit, the NEDEA of Greater Chicago provides networking platform for NEDians living in the area. This platform is an important and necessary component of NEDians life, providing support, advice and assistance to graduates and their families. The primary purpose of NEDEA is to promote a long-term relationship among the NEDians living in the area while strengthening the existence of the fraternity experience. It is the duty of all NEDians to strengthen NEDEA as it eventually impacts and enhances the excellence of education in NED University.

#### Congratulations

Our Muzafar Husain Saheb recently celebrated his 40th Annivarsary. We wanted to congratulate him on this great journey. We also wanted to share some thought that his children gifted on this occasion. See below. Can you recognize Muzafar Saheb?



The objectives of NEDEA include engaging the diverse interests, talents and backgrounds found within NEDians that benefits them and NED University. Nurture and cherish the special bonds that connect NEDians and their families to each other and to NED University. Preserve the rich history of NED University by celebrating traditions and building upon the accomplishments of the alumni and University. Encourage NEDians to respond to the needs of the NED University and to honor university tradition by sharing knowledge, talents, resources, and time with those in need in



Chicago, in particular, and NEDians and their families in North America, in general. Raise the level of excellence in all areas of work and discipline. Actively solicit feedback and utilize resources to continue to help each other as well as the families in the Chicago land. Work with the NEDIAN-NA in collaborative efforts that enhance the current state of NED University.

These are some of the Alumni Network and Associations that we have featured in our section for this year and more associations will be highlighted in our upcoming editions.

#### Source:

http://nedian-na.com/organization/alumni-associations-network/

http://www.nedaaab.org/

http://nedea.us/

http://facebook.com/nedaaab.org

# 9. <u>NED Alumni Memory Lane</u>

# I. Old Picture Gallery



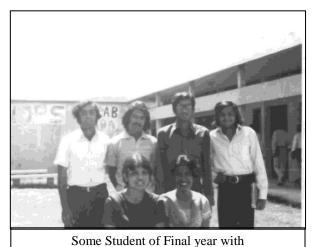
Engr. Rukhsana, Dr. Mehnaz Fatima (Mech.), New Campus 1976



Engr. Rukhsana, Dr. Mehnaz Fatima (Mech.), New Campus 1976



Engr. Rukhsana & Dr. Mehnaz Fatima (Mech.), in from of Girls Common Room, New Campus, 1976



Dr. Mehnaz Fatima (Mech.), Engr. Rukhsana Rahooja, New Campus 1976



Dr. Seema Alim, NED University new Campus 1976



Engr. Rukhsana Rahooja NED University new Campus 1976



Musical Evening NED College 1st Row: Prof. Munir and Prof, Dennis Mascarenhas 2nd Row: Engr. Aquila, Engr. Rukhsana, Engr. Mehnaz, Engr. Amina, 1973



Team NED University, Winner of National Championship trophy, Inter University games 1968-69, with Prof. Dr. Ishtiaq Hussain Qureshi, VC UoK



Captains of Sports teams NED College with Engr. Fareeda Ali at corner, Principal Ilahi Bux Soomro & Prof. Anwer Chowdhry (Late) 1968-69



Sohail Bashir, Ahsan Ejaz Kazmi and Farooq Hussain Along with Madam Neelofar Master during Art and Craft exhibition



Madam Afifa. Madam Aquila, Madam N. T Mirza along with students at Mehfil-e-Meelaad at Economic Lecture Hall

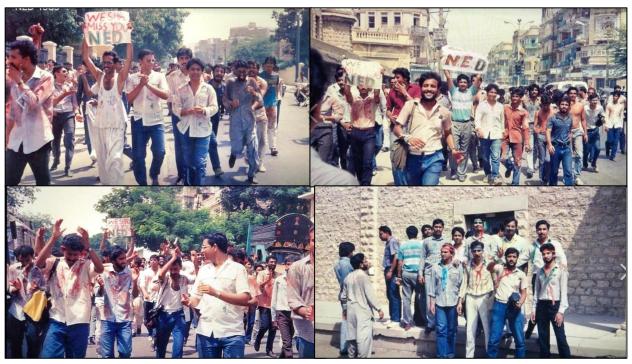


Madam Neelofar Master, Madam Sima, Madam Masooma, Madam Afifa, Madam Ruksana having refreshment after convocation

# II. Celebrations after Last Class (Batch 1983-84, Mechanical)

by Engineer Muhammad Shakil Qureshi

The NED University Mechanical batch 1983-84 has been one of the kinds in a sense that they had an opportunity to study at two NED Campuses during their study years.



Though, by that time this batch entered in NED, the old Campus had gone vacant and everything had been shifted to the new campus. It was not like the old campus of today, which is now called NED City Campus. Since the circumstances were extremely unfavorable for the University to



From L to R: Mohammad Irfan, Syed Ehtesham Zaidi, Irfan Ahmed, Taha Mohammad Ali, Zia Ahmed Abbasi, Shahnawaz Khan, Akram Rehmani, Shahid Khan, Mohammad Shakil Qureshi, Faizul Islam, Mazhar Faizullah, faheem Iqbal, Iqbal Kodwavi, Mohammad Farooq

resume classes during the year 1988, some students of the batch had few meetings with the then Vice Chancellor, Dr. Jameel Ahmed Khan who being very considerate made arrangement for

their last semester classes at the NED old campus adjacent D.J. Science College near Burns Road Karachi.

It was the day of 22nd September, 1988 when this batch's last classes were held at that old NED campus and this was when they celebrated their time like they used in the main campus.



So, these pictures are the documented memories of that time when the students from thus batch were on the roads around the old campus demonstrating the excitement and the days of their university live which everybody of that vicinity was amazed to witness. These pictures show how at the very busy surroundings of old Karachi at NED old campus the students were seizing the day.

## III. Atta Muhammad Soomro (Late)

Bachelor of Engineering, Civil-1948

Born and brought up in princely state of Khairpur Mir's, Atta Muhammad Soomro obtained his secondary education from Khairpur. His outstanding performance led him to successfully secure merit scholarship of Khairpur state for further education in Aligarh Muslim University. He passed matriculation exam with meritorious grades from University of Bombay in 1943 in Science group and progressed for his engineering education, where he opted for Civil Engineering. He was unable to finish his education due to partition in 1947. He finished his final year of engineering at then Nadirshaw Edulji Dinshaw Engineering College in 1948.

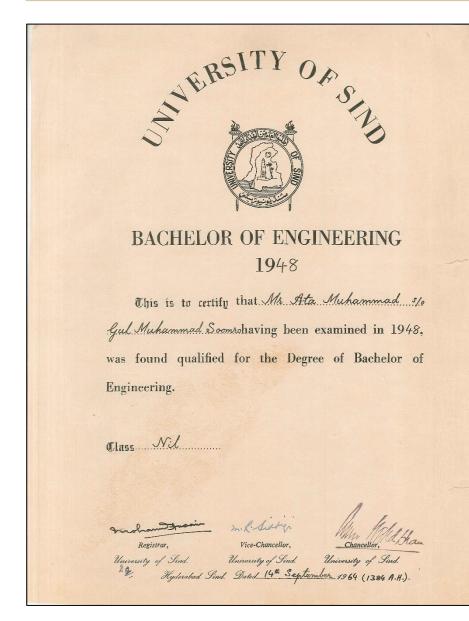


He started his career as Supervisor in December 1948 with responsibilities of supervision and maintenance of canal structures, preparation of estimates of canal embankments and irrigation structures. As Sub-Divisional Officer, he supervised construction of Khairpur Textile Mills in 1952. Later as Assistant Executive Engineer he looked after construction of variety of infrastructure in Khairpur State like Tobacco factory, Wheat Silos, and roads and colonies. He was recognized for his contributions in managing floods of 1955 and awarded with numerous accolades by the State of



After merger of Khairpur State with West Pakistan's One-Unit, he was assigned to Irrigation Department and became Executive Engineer where his major contributions were in design and construction of canals and regulators of Guddu Barrage system and construction and supervision of flood protective bunds. Later he was promoted as Superintending Engineer of Guddu Barrage Circle in 1965 which included management of Ghotki Feeder, Begari Sindh Feeder, and Desert Pat Feeder Circles. He later moved to Headquarters at Sukkur Barrage as Superintending Engineer and

eventually became Chief Engineer Irrigation Development in 1982 before his retirement in 1985.



Gort:
Andirshaw Edulji Pinshaw LEngineering College,
KARACHI
No. 82
Certified that Mr. Soomso, Ata Mohammad. G.
passed the B. L. (Civil)  Degree Examination  in Pass Class of the University of Bombay from this Callege
in Pass Class of the University of Bombay from this Callege
in the year 1948.
During his stay at the Callege, he was found to be regular in
attendance, and his conduct and maral character as far as is shown in the
records of the College were good.
Remarks on the career of the student at the College:
Mr. Soomro, was a regular, well behaved and conscentions student.
M led and consentions student.
the head of my
agood moral character.
a fore-
Kanaadi
Karachi, Principal,
Karachi,  Chort.  Principal,  N. E. D. Engineering College.
IN SEC

# IV. Seva Kunj Memories

by Arshud Mahmood, Class of 1961

I was in Lahore when I received the telegram, "Come immediately, Vacancy open." The sender's address was at Seva Kunj Hostel in Pakistan Chowk near NED College in Karachi. I had been on waiting list to get into NED, and this meant that one of the students who had been awarded regular admission to the freshman class had not showed up (I later learnt that he was also admitted to Engineering College in Peshawar, and preferred to go there). However, on that day in September 1961, all I wanted was to get to Karachi as fast as possible. I was in Lahore because I had enrolled in the Master's Degree program at Punjab University, as



Quetta — where my family was residing — did not offer anything beyond a Bachelor's degree. I had been attending theoretical physics classes for about a week, and was bored to death as the course was mostly Newtonian mathematics without any mention of practical applications.



I caught the evening train, and made it to Seva Kunj in the early afternoon of the next day. A quick shower to wash off the train dust, and I was ready to go to the admissions office. The classes had been going on for about a month, so I was asked to go see the Principal. That is when I met one of the kindest individuals — Professor R. E. Mirza, the Vice Principal who was the acting Principal at that time. He listened patiently to my somewhat confused story, trying his best to understand who I was and where had I been for the past month. He

examined copies of my academic records and the admissions papers, approved the late admission and signed off.

Classes had already ended for the day, so my next stop was the Warden's office at Seva Kunj and that is when I met the next hurdle — the hostel was completely full, and another hostel where NED students shared space with DJ College students was also at capacity. At least Seva Kunj was a dedicated place for NED and even the warden was a faculty member at the Engineering College — there was no question of getting a sympathetic hearing at the other dormitories. My family lived in Quetta, and I had just given up my place at Punjab University in Lahore. The



warden himself was from the interior, and understood my desperate situation. Most of the rooms in Seva Kunj housed two students, and could fit in two cots and two small desks. A few rooms

were slightly larger and a third 'charpoy' and a desk had been squeezed in. There was one large room, which housed four students, and mere inches separated the four cots and four desks in that room.

The warden asked the Pathan chowkidar to bring up one of the cots and meet him at the door of 4-person room. I dragged my suitcase up one flight of stairs, and saw that the chowkidar was already there, trying to push the charpoy into the room, while two students



who were studying in the room were trying to push him and the cot out. Language barrier made it impossible for either side to understand the other, and things were getting heated. I stood by the door with my suitcase, realizing that any attempt on my part to enter the room will be opposed forcibly. That is when the warden showed up, and the three of us had to literally shove my luggage, the cot, and a small table (no desk was available) into the room. The warden and the chowkidar closed the door and took off; while I was left in the room facing four sets of glaring eyes (two other occupants of that room who had been sleeping were also awake now.)



I spent a sleepless night, trying to ward off the negative feelings, comments, and veiled threats. It was made clear to me that I was not welcome, and my presence was not going to be tolerated. For the first week or so, each day as I returned from classes my belongings were almost out in the verandah — the room was on the third floor, or they

could have been out on the sidewalk. The other four occupants of the room were all second year students and felt they deserved much better than this overcrowded room where a fifth student had been stuffed in — and a lowly first year student at that.

As the year progressed, and we all felt the rigor of the academic year, the hurdles we all faced as engineering students created common bonds of camaraderie between us. Before the year was out, all four had become my good friends, and had allowed me sufficient space for my belongings. That was 1961 and even Fifty years later I maintain contact with two of them I last met them at the time of the NED Alumni Meeting in Chicago — where they both reside, Mohsin Siddiqui and Enayat Sherwani.

A third occupant, Zafar Khan, was shot to death in Thailand almost forty years ago while working there. The fourth student whose last name was Sethna, moved to India after graduation — he was a Parsi from Bombay — and we lost touch with each other. Putting aside our initial acrimony, I came across nothing but kindness and sympathy during my four years at the Seva Kunj Hostel.

Enclosed is a picture from 1965 at the time of my graduation from NED, when the Principal came to say farewell to the graduating residents of Seva Kunj, and I introduced him at the party held in the hostel courtyard. Another old photo shows when we were at our class trip to North of Pakistan. A couple of years ago Farhat Siddiqui, Maarij Kirmani and I had the opportunity to organize a reunion for our class that started NED in 1961, and you can see what age has done to all of us however, being old is still preferable to the other alternative. The reunion was held at the Monte Carlo Casino in Las Vegas. It was a great chance to remember some old stories. I am glad that I was able to push my charpoy into the packed room and thus gather valuable knowledge and friendships that lasted a lifetime.

Source: http://www.nedaascusa.org/seva-kunj-memories/

## V. The Discontent in the NED College

by Jamshed Jami, Morning News, November 16, 1972

In the heart of the city there is a dusty, dilapidated, brick chimney, surrounded by equally dusty, dilapidated buildings.

At first sight, it may appear to be the ruins of an abandoned factory or the out-houses of D.J college. But, in fact, it is no less than the oldest, and perhaps the best, engineering college of Pakistan--the N.E.D Engineering College.



That it is the oldest, one glance at it confirms; that it is the best seems like an unlikely proposition.

In recent months this institution has been the scene of several student movements maior culminating in the acceptance of all their demand. Those who only read about the students' struggle in newspapers have complete shown lack understanding for their causemany went to the extent of labeling N.E.D as the citadel of militant troublemakers. But they have overlooked the fact that in

our country professional college are fed with the best students. It is time that we analyzed the reasons that have forced our merit-listers of Inter science and B.Sc. to behave in this manner.

If there is one word for all the problems of N.E.D. it is negligence. N.E.D. ians have seen engineering universities built at the cost of crores of rupees at other less important cities. While

the government contended that it could not improve N.E.D. due to lack of funds. They have seen new engineering colleges be being built and existing colleges being equipped with the latest machines. While N.E.D. machine after machine went out of commission and lab after lab became obsolete.

All other institutions awarded scholarships to teaching staff for higher studies, but in the last ten years no such scholarship, worth the name, was awarded to N.E.D. staff. Those who acquired further training did so at their own expenses.

This college, which was built for 200 students, today caters for the needs of a thousand students although it has seen little change since it was built 50 years ago. A plan for shifting the college to new premises was finalized as early as 1962, and it is now that the ten years' plan is still in cold storage!

Graduation by no means represents the end of problems; it is the beginning of a host of new problems. The employment scene has not been very bright since 1968. As for as government jobs are concerned, N.E.D. graduates fall a victim to the unjust quota system. They cannot understand why the government has failed to realize that awarding key technical posts on regional rather than merit basis cannot only harm but endanger the national cause.

Another cause of unemployment is that our educational system is not geared to our industrial requirements. The government has been increasing the number of seats in professional colleges due to political pressures, without giving much thought to the absorption of these graduates. It is high time that



attention was paid on quality rather than number. Only then will our industry rely on Pakistani engineers, not just for maintenance, as they do now, but at every stage of manufacture.

The work that N.E.D. college students undertake in their final year in the form of engineering projects speaks for itself as to the competence of Pakistanis. Last year they designed and lubricated equipment for a Gas-Dynamics Laboratory (which the college did not possess), which includes such sophisticated equipment as wind tunnels and smoke tunnels. By designing and fabricating the prototypes of such domestic appliances as vacuum cleaners, water heater, spray drier, gas heater for rooms, etc. they have not only demonstrated that these can be manufactured in Pakistan but that they can be supplied at an extremely low cost. But it pains one to see that these prototypes are lying unattended in some remote corner of N.E.D. only rarely have the

makers of those projects been amply rewarded as in the case of the student who designed a surface-to-surface missile and was given a job at SUPARCO.

These achievements appear to be even greater when seen in the light of the facilities available to the students; technical know-how on these subjects in practically non-existent, books are too costly or not available at all, no financial help is given for the fabrication of these projects, which may cost several hundred rupees.

The students of N.E.D. cannot understand why, in spite of their talents, extraordinary qualities and hard work, they have been denied their right. In extra-curricular activities, too, they have given an excellent performance. Although N.E.D. does not possess even a single ply-ground or gymnasium, it has won the general championship sports trophy of the Karachi universities for four consecutive years. In all Pakistan debates and quiz competitions N.E.D. has swept most at the trophies and medals.

So it is obvious that N.E.D. Engineering college students have ample reason to be disgruntled. Problem after problem had been mounting and this year the student decided that they had had enough. So they unleashed a barricade of strikes, processions and demonstrations, and even took control of the college for two months. However, it is heartening to see that the new government has at last shown some understanding for their plight and has accepted their demands which include an autonomous board of governors for the college, shifting of the college to the new campus, and providing new equipment. It remains to be seen whether the Education Minister keep his promises.

It these proposals are not implemented and students again come out on the streets, then it would definitely not be the students' fault.

# VI. They make a car from junk!

## "No suspension brakes"

by "Maxine Menezes", Morning News, November 16, 1972

If the college is on strike and you have time on your hands, what would you do? Picture yourself having fund, doing anything from reading in a library to painting the town...

But also would have ever thought of spending these hours in hard labor designing and fabricating a car all your own?

Joke aside, that's exactly what Jawaid, Arshad and Bilal were busy at during the months that the NED Engineering College was closed. First, they put their heads together and shared a common dream.

Then, they put their hands together and lo behold three months later they find that their dream has come true..... they are at last mobile ..... a four-seater all their own, which undoubtedly given them a joy of achievement and success.

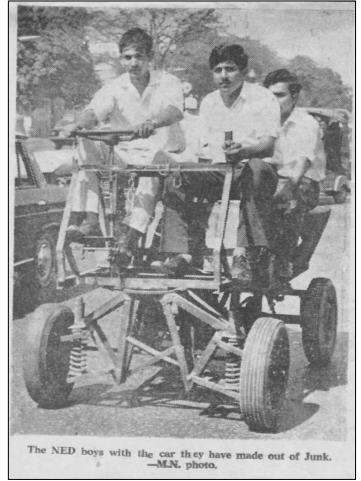
Thanks to all their effort, they won't ever have to come to college in a crowded bus hanging on for dear life nor would they get broke at the end of the month after having traveled by rick.

They represent our young generation with talent, initiative and originality.....guys who really know the value of time, and what it feels like being perched on top of a moving vehicle that has been carefully put together by trial and error.

Now for a bit of the technical, they started with just a motorcycle enginethat was all they had. Then followed repeated trips to various junk yards in the city.

From here they both scraps of material and different parts such as a steering wheel, suspensions, brakes, tires of a Fiat 600, gears, carburetor etc.

Working at the project from anything



between 7-14 hours a day at the Saifee industries in SITE area, they were able to complete the framework in 3 months. "Except for a lathe machine, all the rest of the tools used by us were hand maneuvered" chirped one of them very proudly.

When completed, it would look like a model of a jeep and it would have cost money-wise Rs.1,500, they estimated. All the finance have been pooled in by these three students themselves and there were smiles all round as one of them confessed, "We were broke a couple of times".

When they drove for all the first time to the NED College, they were literally mobbed by their fellow colleagues, some of whom could just not believe their eyes. Then followed the When? Why What? Where, and most important of all How?

When asked what was the general response of the other students, they replied "most of them were surprised, but as far as encouragement goes, they were not very much of a booster.

"The boys felt that if people were not impressed or felt they were working on something of a "mission impossible". It would be better if they remind salient rather than discourage the boys in so many words.

#### **NED ALUMNI MEMORY LANE**

"Our parents are however, proud, of us, they quipped all together, though they seldom see us in clean shirts anymore".

Jawaid, Arshad and Bilal plan to take their vehicle on a test ride from here to Hyderabad and perhaps further. In fact, this trip was earlier planned as a hiking trip, but now they are mobile they would rather ride in style.

Just in case you happen to spot this four-seater don't ever rush towards it because at present suspension brake have not yet been fitted and it has "manual brakes" instead.

Manual brakes we wondered. Quick followed the explanation. "We drive very slowly because we had no brakes as such as yet, but just in case something or someone suddenly get in our way we use our manual brakes".

That means the two of us sitting in the front quickly put their legs on the front wheel on each side and the two at the back complete the operation by jumping off and holding on fast to the framework.

The vehicle stops, nobody is hurt, an accident is avoided and this way she never ever lets them down because she has what it take to stop, two".

**Note:** The above two articles "The Discontent in NED College" and "They make a car from junk! No suspension brakes" are published with courtesy of Engineer Rukhsana Rahooja, alumni of NED University

# 10. <u>University Advancement and Financial Assistance (UAFA)</u>

UAFA was established in NED University in year 2014 in compliance with directives of Higher Education Commission (HEC). The establishment of UAFA aims to promote the importance and understanding of higher education in this era of knowledge economy which has laid the foundation of digital age and has revolutionized the economies around the world.

Like other sectors of economy, Knowledge economy has tend the universities to integrate various stakeholders like civil society, industries, government agencies, alumni and communities to formulate comprehensive plans to advance in research activities, academics, addressing industrial problems and societal problems in their research and to payback to society through community services. UAFA supports NED University to achieve this objective by generating funds from its stakeholders for research activities in the forms of gifts, grants, investment in infrastructure etc.

Since the major stakeholder in the evaluation and progress of knowledge economy is university and university are producing it alumni which further enhances, contributes and flourish it. So UAFA also aims to manage all affairs of alumni as NED University considers alumni as one of its foremost stakeholders in the progress and advancement of the university.

Besides, UAFA vows to ensure presence of NED University in the society and community. Hence it has been supporting academic departments and students affairs in community services, awareness seminars on social issues in the light of "Objective Based Education" and "Program Leaning Outcomes" and positioning of the university through signs and display (pens, pencils, notebooks, T-Shirts, Caps, Mugs and sovereigns with logo of NED University).

In the view of the above aims and objectives, the UAFA has been engaged in arranging following programs in NED University which has involved its stakeholders and communicates a soft image of NED University within the stakeholders and in communities.

# I. NED University Alumni Network (NEDAN) Lifetime Membership Card Distribution Ceremony

by Ali Zulqarnain, Assistant Professor, Department of Industrial Manufacturing Engineering

The NED University Alumni Network (NEDAN) was formed in 2004 as a network for



encouraging the promotion of alumni related activities. This forum enables graduates of the former College as well as of the University to initiate their support and activities related to student welfare, academics and research. The NEDians activities have since been extended to focus on alumni relations and their efforts in the support of the University.

Alumni interest and goodwill has been encouraged throughout, thus resulting in the development of intellectual and emotional ties between the members and their University. The Alumni Office working directly under the supervision of the Pro-Vice Chancellor will provide a range of benefits and services to the alumni; while also serving as a means to facilitate and enhance the interactions among the alumni. The Office intends to bring all Alumni activities under one umbrella by expanding its scope to all former students and individuals associated with the NED University/College and connecting them with the aim of ensuring and enabling the promotion of effective relationships amongst its members.

NEDAN Lifetime Membership Ceremony was held on April 26<sup>th</sup> 2019 at senate hall Vice Chancellor secretariat. The ceremony was presided by honorable Vice Chancellor NED University Dr. Sarosh Hashmat Lodi who was accompanied by Pro-Vice Chancellor Prof. Dr. Muhammad Tufail; Dean Architecture & Management Sciences, ISH, & Director of University Advancement & Financial Assistance Professor Dr. Noman Ahmed; and Registrar Syed Ghazanfer Hussain.

During the opening speech Dr. Noman Ahmed, Dean AMS and Acting Director UAFA told audience about strategic importance of alumni in advancement of the university and informed



audience about the plans of UAFA to strength its linkages with alumni by arranging galas, get together on special events and picnics. He told that currently university is offering associate membership free of cost, and one year membership and lifetime membership with very nominal charges along with a variety of facilities which includes access of gymnasium, library, journals, seminars, conferences, international alumni visits, reunions, and other related activities to paid members. Besides, UAFA is connecting with alumni by sending emails on occasion of their birthdays and special day celebrations like Eid days, Independence Day, New Year etc. and emailing them newsletters.

While addressing the Alumni in the ceremony, The Vice Chancellor Professor Dr. Sarosh Hashmat Lodi emphasized Alumni to extend their cooperation with the Alma-Mater as per University Vision. He told audience that in coming years NEDAN would be fully functional and all activities of alumni would be managed through it. He also informed that NED University along with coordination of Institute of Engineers Pakistan is going to hold International Alumni Convention in December 28-29, 2019. He disclosed that the university has decided to celebrate centennial year in 2021 on completion of its 100 years and has planned a series of activities and a marvelous event.



Ceremony ended with Vote of Thanks by Director UAFA, Professor Dr. Noman Ahmed.

# II. Commemoration of Defense Day and Observance of Solidary with Kashmiri Peoples

by Syed Adnan ul Hassan Naqvi, Staff Member, UAFA



NED University of Engineering & Technology along with the entire nation observed the Defense and Martyrs Day on Friday, 6th September 2019 as the Kashmir Solidarity Day to reaffirm support of Pakistani nation for the oppressed people of Indiaheld Kashmir by organizing a Symposium on "Kashmir and Security of Pakistan". The honorable guests for the session were Professor Dr. Moonis Ahmar (Meritorious Professor, Department of International Relations, and University of Karachi), Brigadier (R) Haris Nawaz (Defense &

Political Analyst) and Barrister Shahida Jamil (Former Federal and Provincial Minister of Law). The symposium was presided by the Dr. Noman Ahmed, Dean AMS & ISH and was attended by Masters and Undergraduate students of NED University along with Department Chairs, faculty and members of the administration.

The symposium focused on how to address the current situation of Kashmir, the role of Government of Pakistan, Security forces, its Youth along with the input of the International Community and the United Nations in bringing peace to the valley of Kashmir. The guest speakers shared detailed insights based on their experience and area of expertise in Defense, Law, International Relations and Politics to point to the possible solutions that the national and international



community should take up to resolve the conflict in Kashmir. The perspectives and approaches on the Kashmir and Security of Pakistan shared by the guest speakers motived the audience to have an interactive Question and Answer session with the esteemed speakers.



The symposium concluded with the remarks of Dr. Noman Ahmed, Dean AMS & ISH - where he shared the significance of the symposium and the value it has added to the current discourse on the Kashmir issue due to the inputs of academia, teaching faculty, student body, law makers and defense analyst.

## III. In the Memory of Late Professor Muhammad Nauman

by Rabel Ahmed Memon, Assistant Director, UAFA

An event was organized by Mr. Safi Ahmed Zakai in the memory of late Professor Muhammad Nauman on his 10th death anniversary on 20-Nov-2019 at Audio Visio Hall Department of Civil Engineering. The program was chaired by Professor Dr. Noman Ahmad Dean AMS, ISH and Director UAFA, and was hosted by Controller of Examination Mr. Safi Ahmed Zakai.

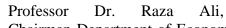


The event began with the recitation of verses from Holy Quran. Peoples from academics, politics and civil society attended this event. The speakers of this program were the colleagues, students and comrades who worked directly with Professor Muhammad Nauman.

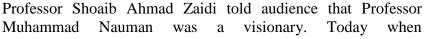
The opening remarks were made by Ex-PVC & Retired Professor of NED University Dr. Sahibzada Farooq Ahmad Rafeeqi who was one of the longest standing colleagues of Professor Muhammad Nauman. Addressing the audience, he told about how a versatile and

balanced personality the Professor Muhammad Nauman was. When anyone would converse with him on issues of education, politics, social work, eradication of oppression, social justice etc. he/she came to know how Professor Muhammad Nauman was deeply involved in educational reforms and integration of education with the needs of society. Professor Muhammad Nauman always gave preference to collective interests over his





Chairman Department of Economics and Management sciences, told audience that Professor Muhammad Nauman was a caring neighbor and a good friend. His social and political struggle was above racism and discrimination.

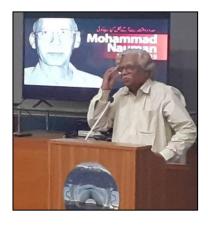


entrepreneurship and student startups are at boom, Professor Muhammad Nauman was in the

favor of entrepreneurship at the time when no one spoke about it and we arranged a seminar regarding students' startups about 13 years ago at NED University.

Renowned artist and women rights activist Ms. Sheema Kirmani told audience that deceased professor was a true Marxist. Such peoples need to be celebrated. He was a great social worker and political activist. He used to attend corner meetings of students, sit within the students in the university





irrespective of his status and invited them to think in a critical manner. Professor Muhammad Nauman was very much committed to social change. She told audience that once Professor Muhammad Nauman got his sister introduced to her and told her to be her mentor and get her involved in social and political activities. She told that she along with his sister were the founders of Tehrik-e-Niswan Pakistan.

Chairman Pakistan fisher Folk Mr. Muhammad Ali Sheikh shared his memories of working with Professor Muhammad Nauman. He told that the deceased had a strong will power. Once he along with Professor Muhammad Nauman were on a field visit at

Thatta. Suddenly his vehicle broke down and he thought that how Professor Muhammad Nauman will cover such a long distance on foot as he belongs to the city and is used to travelling with vehicles only. But he got surprised when Professor Muhammad Nauman was stepping towards destination much faster than him. He told audience that during the Musharraf era,

Karachi administration was planning commercialize two islands of Karachi which poses serious threats to the rights of fishers. Professor Muhammad Nauman stood with us and provided us background support, technical support, media support while we were in front demonstrations. Due to his support, commercialization of such islands were cancelled.



Many distinguished professionals and colleagues of Professor Muhammad Nauman joined the proceedings online. Those who addressed included Mr. Raaghib Hussian from USA and Mr. Liaquat Baloch from Turbat Balochistan. The speakers told audience that Professor Muhammad Nauman was committed to wellbeing of the common man. He always struggled for the deprived, poor and marginalized class of the society and against oppression and injustice. His struggle was prominent for affectees of Taunsa Barrage, Chotiari Dam, and Mirani Dam, privatization of KESC and KSWB, Lyari Expressway, LBOD and so on. Regarding the after effects of KESC



privatization, they told audience that if they read the columns of Professor Muhammad Nauman written at that time, they would come to know that prediction Professor Muhammad Nauman made at that time regarding the effects of privatization of KESC are still very valid.

The concluding remarks were made by the chief guest Professor Dr. Noman Ahmad. He told audience that the struggle of Professor Muhammad Nauman should be documented so that society can get optimal benefit from his struggle and ideology. The life and work of ideologically motivated intellectuals like Professor Muhammad Nauman are very valuable for the younger generation of today and a benchmark for the ones to follow.

# IV. Participation of NED University Alumni in Women Conference 2019 by Dr. Majida Kazmi, Assistant Professor, Department of Computer Information System

NED University-Women Conference 2019: Perspectives on Women Development was organized by NED University of Engineering & Technology in collaboration with the Higher Education Commission of Pakistan on 20th and 21st December 2019. The theme of the conference was Perceiving Women Empowerment in the Changing Global Scenario. It

provided conducive environment for academic discussion and devising such policy initiatives that would help uplifting women who are striving hard in their domestic and professional positions.

Featured speakers were female leaders, influencers, and mentors from different aspects of life. They shared their views through technical sessions, thematic talks, and panel discussions. All these discussions proved fruitful for upcoming generations in recognizing and exploiting their optimum potentials in every sphere of life. The



icing on the cake was out of 26 guest speakers, 05 were alumni of NED University. A session on "State and Institutional Mechanisms of Empowerment", moderated by Dr. Majida Kazmi was led by NED University graduates: Engr. Naila Malik, Engr. Rukhsana Rahoja, and Engr. Zarmeena Khan and many other prominent alumni.



Engr. Naila Malik, NED University alumna from Civil engineering department is currently affiliated with Total Parco as Vice President. She spoke on "State and Institutional Mechanism of Empowerment". According to her, States and institutions play a pivotal role in the empowerment of a society. She added that the issues of human rights, right of vote, right of inherit, equity in professional opportunities and pay scale, equal distribution of resources, gender equity, main streaming of women and violence against women need to be addressed by the state and social

institutions in order to cater the need of marginalized women.

Engr. Rukhsana Rahoja - Civil engineer from NED University-beholds professional experience of more than 40 years in both private and state institutions. She retired as the chief research officer and chairperson of council for works and housing research, Ministry of Science and Technology. She provided her view on "Mapping the struggle from marginalized to empowered". Moreover, she showed her concern on demographic figures of



women in Pakistan and percentage of women population who remains inactive in contributing towards economic development. With the help of real world examples mostly from third world countries like Pakistan she accentuated women who unlocked professional milestones in their respective professions despite of several socio-economic barriers. Eventually she mapped those factors that shifted their status from being marginalized to empower.



Engr. Zarmeena Khan, ex-NEDian, is an entrepreneur, writer, and runner. She had set up a social enterprise that aimed at helping people to be their best selves. She is currently working on a program that aimed at teaching spoken English to children, inspiring them to participate in sports and persuading them for education. During her speech her focus was on "Educating the less fortunate: a different world for our younger generation". She expressed her views on role of youth in social and economic upheaval of any nation. According to her, the provision of

equal opportunities and quality education to our youth is sine qua

non for progressive Pakistan. However, a larger section of our youth, particularly women is deprived of these opportunities. This denial to right of education to the less fortunate and marginalized youth will not only hamper their individual growth, but also the prosperity of our nation. To forge an inclusive society, it is very important to provide quality education to the marginalized youth and bring them from the less privileged status to the empowered groups so that they can actively contribute to the social and economic development of the nation.





The panel, speakers and participants of the workshop also shed light on "Effective use of technology to empower women" in open discussion session. Participants discussed ways in which technology aid women empowerment but most importantly where it doesn't. Their agenda was to dissect why technology has not yet been able to pull women out of social power

structures of contemporary society and why women are pushed to conform to their traditional perceived roles even when they are abreast with latest technology.

It was appreciable that role of NED University alumni women is not limited to high tech fields only. Ms. Farhat Ishtiaq, who is a NED University alumna, shared stage with top class writers Ms. Noor-ul-huda Shah and Ms. Haseena Moin in session of Reflections on Gender, Culture and

Society. She is one of the most famous writers of romantic novels in Pakistan. She depicts her female characters where they are able to assert separate identities without challenging cultural mindsets. She spoke on "Intense cultural mindset and stereotypes". Her session was focused on the contradictions and double standards that women have to encounter while trying to create a niche for them. The crux of the session was to help the young women to appreciate the point that it is good to dream, but it must be for the right preferences in life rather than for a false allure or promises.



## V. NED University International Alumni Convention

by Safi Ahmed Zakai, Controller of Examination

The mega event of NED University International Alumni Convention 2019 was organized by NED International Alumni Network on 27-29 December, 2019. The convention was organized to provide alumni with a chance to reassemble with friends, colleagues and teachers; and re-live the most enjoyable moments of their life at their alma mater. With an aim to provide a unique home-coming experience to fellow NEDians, organizers and university administration materialized by staging a successful event.





The faces of over 5000 attendees reconnecting them for three days of energy, nostalgia, memories, friendships, echoes and chanting of past expressed what words cannot. Thousands of alumni, general observers, critiques and journalists attended the event and called this event, 'once in a lifetime opportunity to reconnect'. Kudos to all organizers, supporters, sponsors and above all the alumni

for their support to the event.

The mega event was spread over three days and four events, December 27<sup>th</sup> marked the opening day of the event with a welcome family picnic at the Bahria Town Karachi where over 200 national and international Alumni attended the gathering. The participants gathered at main campus of NED university at around 15:00 hours





from where they were transported in NED university point shuttles to Bahria Town. After a brief visit to landmark places at Bahria Town the gathering was staged and hosted by an outstanding alumnus of Civil batch, NED University Mr. Aftab Siddiqui's at his residence where guests were served a lavish dinner, followed by light musical performance by renowned musicians.

The Mid Day of the event i.e. December 28<sup>th</sup> was the most nostalgic day of all three days as over 200 Alumni belonging to batches from 1960 - 1970 out of a total of around 500 Alumni gathered to cherish their memories at the historical flagship campus, the very famous Old Campus now named as City Campus of NED University. The eyes of alumni were filled with tears of happiness and joy thanking their Alma Mater was the crux of the days. The Old boys got photoshoots in their classes which were opened to

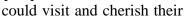




welcome them and they were screaming and chanting aloud their old slogans with energy and joy. The Sufi Musical Performance and the involvement of International Alumni Guests were also the highlight of the day. Various dignitaries that include Syed Murad Ali Shah, Mr. Aftab Siddiqui, Mr.

Najeeb Haroon and many others also attended the gathering.

The grand finale day was spilt into two events, convention day in morning showcasing different talks, gathering at main auditorium, presentation and panel discussions. All the labs, class rooms and canteens were kept open so that the Alumni







fond memories. The second and the most important part, in fact heart of the entire convention was the gala dinner and social night covering speeches by distinguished alumnus, presentation by sponsors, unveiling NED University video and anthem, pitching of projects for Alumni funding and to a surprise all projects pitched are taken by local and international alumni and endorsed by Le Ba ron Russel Briggs, former Dean at Harvard University quote sum up this discourse: "As has often been said, the youth who loves his

Alma Mater will always ask, not 'what she can do for me?' but 'what I can do for her?'". The support the local and international alumni promised and rendered revealed the real love for NED University.

The jewel in the crown of alumni convention was the tribute and acknowledgement of services of fifteen former faculty and staff members that includes Prof. Dr. A. T. Khan, Prof. Aziz Ul Hasan Khan, Ms. N. T. Mirza, Prof. Muhammad Nauman, Dr. Ibrahim, Mr. Rustam E Mirza,



Syed Mehmood Alam, Mr Suleman Ganatra, Engr. M. A. Akhund, Mr. Habib, Engineer Abul Kalam, Dr. SM Qureshi Mr. Ghulam Qadir Shah, Engr. Prof. S. M. Makhdoomi, Mr. Zafar Razzak and Mr. Anwar Chaudhry. The event concluded by acknowledgement of efforts of entire organizing team by the Vice Chancellor. Gala dinner was followed by a musical performance by renowned singer.

As NED University alumni, my very special thanks to NED IAC 2019 organizing committee, Vice Chancellor, University administration, faculty, alum, students and volunteers and above all else Nadirshaw Eduljee Dinshaw (NED)

#I♥NED (I love NED)

**Note:** More pictures of NED University International Alumni Convention are placed in "*Memorable photographs of NED University Notable Events*"

# 11. University International Advisory Board

NED University has established an International Advisory Board through University Syndicate in order to set University direction. The purpose of having this board is to identify the areas of improvement and take University forward



with the planned activities to meet futuristic national and international demands. The University desires to gain from the collective wisdom and experience of honorable board members. The first meeting of University International Advisory Board was held on 19th January 2019. Following are members of University International Advisory Board.

S#	Category	Name	Designation
1	Convener / Member	Professor Dr. Sarosh Hashmat Lodi	Vice Chancellor, NED University, Karachi
2	Member	Professor Dr. Muhammad Tufail	Pro Vice Chancellor, NED University, Karachi
3	Member	Professor Dr. Noman Ahmed	Dean Architecture and Management Sciences, NED University, Karachi
4	Members from Overseas	Mr. Raghib Hussain	Executive Vice President and Chief Strategy Officer, Cavium, Inc. (NED University Alumnus)
5	Members from Overseas	Mr. Amir ul Islam	Chief Executive Officer / President of Jersey Precast (NED University Alumnus)
6	Members from Overseas	Mr. Imran Ahmed Siddiqui	Council General, Consulate General of Pakistan - Toronto
7	Members from Overseas	Mr. Aftab Hussain Siddiqui	Businessman / Politician (NED University Alumnus)
8	Members from Pakistan	Mr. Muhammad Siddique Memon	Ex-Chief Secretary Sindh
9	Members from Pakistan	Mr. Raja Sabri Khan	Chief Executive Officer Integrated Dynamics
10	Members from Pakistan	Mr. Sohail Bashir	Chief Operating Officer, Head of Engineering Saita (Pakistan) Pvt Ltd (NED University Alumnus)
11	Members from Pakistan	Mr. Asad Said Jafar	Chief Executive Officer Phillips Pakistan (NED University Alumnus)
12	Secretary	Mr. Ghazanfar Hussain	Registrar, NED University, Karachi

## 12. Facilities and Services

### I. Research Centers and Centers of Excellence

**Cowasjee Earthquake Centre** was established in 2001 after the devastating Bhuj earthquake. The Centre is currently administered by the Department of Earthquake Engineering. The center is housing national and global



data pertaining to earthquake and has been acting as a hub for disseminating



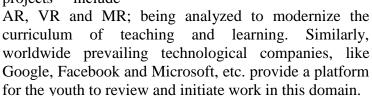
accumulated knowledge. The center in coordination with the provincial and federal institutes has been responding to the emergency needs and providing guiding principles for pre and post disaster earthquake mitigation. It has

become a hub of the earthquake engineering related activities with the passage of time.

Centre for Software Research and Development (CSRD) Center is based on the exploration and testing of upcoming technologies regarding Computer Science, which results in the enlightenment of the younger generation of researchers. In order to introduce something



unique in Pakistan, research projects include



Electronics Design Centre has been active in the areas of Device characterization and RF



Electronics. Its primary objectives are to investigate scientific fundamentals necessary to obtain incessant improvements in ultimate miniaturization, increased functionality, enhanced bandwidth and improved electronic efficiency of circuits and devices. The center hosts a number of

PhD students and research engineers and is well equipped with necessary tools and equipment to

undertake research in several areas with applications in wireless and wired communications, Photovoltaic, biomedical engineering, power electronics, and conducting & supporting research related activities.

**Instrumentation and Product Development Centre** was established at NED University of Engineering and Technology in 2005 through HEC funding and is ISO 9001 certified. The center is working on commercial basis has



been providing valuable and high quality engineering services to Industry and academia for diverse applications. The center



focus areas of services are test & calibration; design and development of customized solutions; professional trainings; and Engineering services.

**Heritage Cell** (Architecture) at Department of Architecture and Planning, NED University, is a



full-fledged research unit housed within NED University's historic 'Old Campus' situated in the heart of Karachi's city Centre since 2006. It has been actively involved in initiating research and projects addressing heritage conservation issues in Pakistan, developing national and international collaborations with public and private organizations involved with heritage protection and advocacy, publication of research outcomes for wider dissemination and awareness building, and developing

education and training programs.

**NED University Virtual Reality Centre** is the first of its kind in the entire region (sub-continent). The facility houses three major systems including, virtual teaming system,



walking VR systems, and Projection VR system. The center was indigenously designed for



customized needs and has the capacity to be integrated and expanded towards Augmented Reality in near future.

**K Electric Lab** was inaugurated in 2016 and has 16 different relays and switchgear of BBC (Brown Boveri Company) and GE (General Electric) including transformer earth fault relay, transformer neutral ground relay,



instantaneous and time over current relays, motor protection relay, over current relay with



voltage restraint, differential protection and reverse power protection relays. The presence of this equipment develops an extensive learning environment for the students to apprehend the concepts of power system protection applications in practical scenarios.

**NED-DICE Energy & Water Innovation Center** is a joint collaborative initiative of NED University of Engineering & Technology and DICE Foundation. The



Center provides a platform for energy/water related innovations and for collaboration among



academia, industry, government, entrepreneurs and expatriates to integrate science, technology and policy solutions to solve pressing energy/water challenges faced by Pakistan.

Building Information Modeling Centre has been established through the kind support of NED

University Alumni Association of Tri-State, USA which is first of its kind state of the art center in Pakistan. The center has been providing services to construction industry for resolving preconstruction issues of high rise and complex structured buildings related to wind zones, emergency exits and temperature through developing visual models of the projects. The Centre is providing a platform to bring all engineers including civil,





mechanical, electrical, structural and material to work together under the same umbrella while preparing building modeling using software that adds everything. Besides the center is a leader in transforming concepts into reality using innovative technologies and solving national technological and challenging issues though product development and solutions.

National Centre of Artificial Intelligence (NCAI) is established with the support of HEC and

Planning Commission of Pakistan after competitive evaluation and rigorous selection process. Two labs are working under NCAI.

The Smart City Lab which has been acting as a national hub for academia and industry focusing their energies to incorporate AI based emerging smart technologies in every-day life. These smart technologies include Intelligent Cyber-Physical Systems and IoT; Intelligent

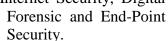




Transport, Building Information Management; Mobile Augmented and Simulated Reality for Smart Cities; and Smart Energy.

Neuro-computation Lab which focus to develop technologies for peak performance and early detection of cognitive and sensory problem and to improve methods of treatment and rehabilitation applying neuromodulator approaches such as neuro-feedback.

National Centre for Cyber Security The idea of National centers for cyber security of Pakistan was perceived by the Higher Education Commission and Planning Commission of Pakistan from highly competitive proposals received from across the country. NED University was entrusted with the implementation of four labs. The center encompasses the domain of Quantum Computing, Internet Security, Digital







NCCS-NED University has been developing indigenous Industry-grade solutions to cater to the cyber security requirements of Pakistan with the development of Quantum Cryptography, SIEM solution, statistical analysis of network, Digital Forensic and Incident Response service.

# National Center in Big Data and Cloud Computing & High Performance Computing Center work on a unique public private partnership concept which will provide framework

through which NED University can collaborate with leading ICT companies and national and international academia to accelerate the development and deployment of the cutting edge ICT solutions related to big data and its analytics on cloud using Open source platforms. The centers are also focused on R&D and human resource development in the specialized field of Big Data and Cloud Computing and its practical applications, which are important components of Vision 2025.



**National Centre for Robotics and Automation** is consortium of 11 labs over 13 universities of Pakistan. The center has been serving as a leading technological hub within the domain of Robotics and Automation. The lab assigned to NED University



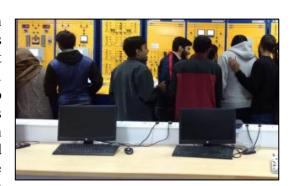
is "Haptics & Human-Robotics" that specifically deal with the design and development of Haptic and Tele-robotic interfaces for Disaster



Management and Medical Applications and STEM-based Education/Assistive Robots. The step to establish these labs nationwide is based on the innate strength of our engineers and will transform Pakistan into one of the technological

advanced nation.

Smart Grid Lab Smart Grid Lab was established in 2017. It is equipped with power system simulators TERCO and EDIBON. The equipment parameters are set in accordance to real systems. Various stages of power system from generation up to consumption can be analyzed in the module. It is enabled with remote monitoring and operation through SCADA. Moreover, microprocessor-based relays are installed on the equipment to give the students a detailed insight into industrial protection systems.





National Incubation Centre Karachi After making inroads into Lahore, Islamabad and Peshawar, a national incubation center (NIC) is being established in Karachi to train youth who are looking forward to becoming tech-based entrepreneurs with the objective of dismantling old-fashioned systems and introducing new creative

> solutions. The incubation center is setup in partnership with the NED University, Habib Bank, Pakistan Telecommunication Company, Pakistan **Poverty** Alleviation Fund. Founder Institute and i2i. Funding will come from Ignite, formerly



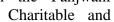
called National ICT R&D Fund. The center will empower aspiring Sindh-based entrepreneurs to create high-growth and sustainable businesses and will utilize its resources on

identifying and nurturing promising start-ups by running various programmes that will range from two-day boot camps to year-long acceleration programmes.

Norwegian Centre of Excellence in Petroleum Studies is established with the collaboration of Government of Kingdom of Norway. The Centre is the foremost facility in the country aimed to develop expertise for teaching and research in Petroleum Engineering discipline. Through the establishment of this Centre a significant capacity building in teaching and research have been

achieved. Four faculty members have received MS degree from NTNU, training of faculty in teaching and research at NTNU. It is strongly believed that the outcome of NCEPS will benefit the industry, the country and the region and will contribute in the improvement of the socio-economic conditions of the common people of Pakistan.

Panjwani Hisaar Water Institute NED university engineering and Technology along with the Panjwani





Hisaar foundation laid down the foundation of Panjwani Hisaar Water Institute at **NED** University that aims to stimulate and inculcate innovative water education, research and training that is multi-disciplinary and interdisciplinary in nature and focus on behavior to safeguard and secure water resources to attain Sustainable Development Goal No. 6. It will integrate the currently isolated nodes of engineering, economy and social science in Pakistan's water sector, and

recognizes the linkages between different stakeholder groups to promote informed policy and actions at all levels. The construction work of the building is in progress and will be operational within next two years. Currently center is administrating advance courses in water for industry.

#### II. **Technological Infrastructure**

The NED University's Information Technology Department (ITD) has played a pivotal role in developing the varsity's I.T. infrastructure providing robust Information Systems, Communication and High Performance computing facilities to its users within the university and outside it. Equipped with state of the art equipment and backed by fiber optic core network, the Information Technology Department acts as the I.T. hub. Following are the



key aspects of the technological infrastructure at NED University:

Smart University with Global EDUROAM project has been launched at NED University in April 2019. This important project has offered both indoor and outdoor fast Internet services with all associated services (Digital library, software etc) to all staff, faculty and students. Furthermore, the smart university project has made NED University member of the international educational roaming project EDUROAM. EDUROAM is an



international roaming service working in 101 countries for users in research and higher education. This service provides researchers, teachers and students secure and high speed Internet access when visiting an institution other than their own.

**NED University Data Centre** is state-of-the-Art data centre with 5 server racks along with 3 network racks with capacity to host 90 servers at 4.8Gbps backed by a total fiber optic distribution plane.

Digital Library is providing access to high quality research journals and E-books



**PERN** facilitates the main Internet connectivity of NED University. The network provides inter-campus, interdepartmental, intradepartmental, and external connectivity through optical fiber links.

**NED University Wi-Fi Network** connectivity with Campus-wide coverage is powered by captive portal, the iAccess. Thus providing accessibility to LAN and WAN services through Wi-Fi enabled mobile devices.

**NED University - Email Service is a** secure email service provided to its employees. The Email server is deployed in the NED University NOC and has up to 2000 accounts.

**Video Conferencing** is centrally-located facility that connects NED University, locally and internationally for the arrangement of virtual classes, conferences, seminars, Internet meetings (video conferences) among multiple locations

**Campus Management System** at NED University aggregates information from various MIS and present it to the end user through single consolidated interface completely personalized and role based in a robust and secure manner. Web Portals: NED University Campus Management System covers portals for Alumni website and Alumni Administration Interface; Researcher's Web; Finance; Examination; and library.

## III. NED Academy

NED Academy has been the pivotal wing of NED University since the last 2 decades for continuous professional capacity building. NED Academy is registered with Pakistan Engineering Council as Professional Engineering Body (PEB) and hence courses conducted by



NED Academy are valid for earning CPD points for engineers. The focus of NED Academy has been "Empowering for Professional Excellence" via continuous offerings of market based globally savvy training programmes ranging in diversity for the energetic youth to professional engineers to middle-tier managers to seasoned top leadership of organizations.

During 2018-19, NED Academy executed/ facilitated in the execution of following streams of courses:

- Professional Certification Courses
- Professional Short Courses
- Postgraduate Certificate (PGC) Courses
- Employability Development Courses in collaboration with HEC
- Vocational Training Courses in collaboration with National Vocational and Technical Training Commission
- Corporate Trainings
- Foundation Courses for Pakistan Military Academy PMA Graduates

Approximately 2034 participants were facilitated via the courses offered during 2018-19, including 630 industry/professional participants, 720 undergraduate students, 189 postgraduate students, 150 vocational training students and 345 students from unemployed and unskilled youth.



# IV. Chinese language

To meet the requirements of a technical and engineering manpower for the CPEC activities/projects, NED University is the first leading engineering university of Pakistan to introduce the Chinese language learning program as non-credit course (NC course) across the



University. Two courses i.e. HSK-I and HSK-II have been designed and made mandatory for all newly admitted students from batch 2017. So far 2,207 students have passed HSK-I and 1,707 students have passed HSK-II.

# 13. Memorable Photographs of NED Notable Events

I. Chinese Traditional Culture Carnival (14-Nov-2019)



# II. Affordable Housing National Workshop (09-March-2019)



III. NED University of Engineering & Technology Convocation – 2018-19 (12-Jan-2019)



THE NED EXPERIENCE 2019

IV. Inauguration of Thar Institute of Engineering, Sciences and Technology Tharpakar, NED University of Engineering and Technology (23-Oct-2019)



## V. Inauguration of Urban Forest Initiative (01-August-2019)





# VI. Launching Ceremony of CO2 Smart Executive Club (15-Jan-2019)



VII. NED University International Alumni Convention (Day-1; Picnic) (27-Dec-2019)



THE NED EXPERIENCE 2019

VIII. NED University International Alumni Convention (Day-2; Multi-Disciplinary Seminar & Welcome Ceremony at Old Campus) (28-Dec-2019)



IX. NED University International Alumni Convention (Day-3; Open Day) (29-Dec-2019)



X. NED University International Alumni Convention (Day-3; Dinner) (29-Dec-2019)

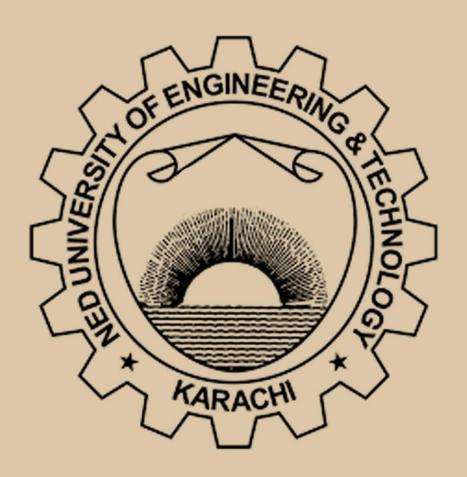


# 14. Way Forward

This second 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 to become 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 huge number of NED University Alumni all around the world. The purpose of this booklet is to gather and articulate the voices and experiences of our graduates and alumni from all corners of the world. All NEDian are invited to comment, send feedback and share their experiences as a way forward to this journey.

Please remember that this is the second publication of this series. The spread of our alumni is vast and continuously growing. We intend to make this publication a regular feature and intend to publish it after 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. We intend to publish an extraordinary volume of this series in 2021, Inshallah.

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