



NEDAC NEWS

NED ALUMNI ASSOCIATION CANADA

FIRST/SECOND QUARTER 2011

VOLUME 4, ISSUE 1

MR. ISMAT KAMAL ELECTED AS PRESIDENT FOR HIS SECOND TERM

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NEDAC ELECTION RESULTS

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EDITORIAL BOARD

Mr. Masood Anjum Khan, Information and Publication Secretary NEDAC

Mr. Mahmood Manzoor, Editor

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EDITOR'S NOTE

This world of ours is indeed a small world, where roads cross so frequently and where people meet again and yet again.

It probably was *yesterday* when I relinquished the responsibility of the editorship of *NEDAC News* after the previous NEDAC Board had completed its term. I had not thought for a moment that I will be talking to you all again in the same capacity of editor *NEDAC News*. But as I said, it is small world, the present NEDAC Board made this happen – it gave me that responsibility again. So here we meet again.

The decision of NEDAC Board to give me the responsibility of editorship of *NEDAC News* has come now and I thank the Board for this. There is a gap of about six months since the last issue of '*NEDAC News*' was published. The current issue, therefore, is for the first and the second quarters of 2011. Hopefully, the frequency of publishing the *NEDAC News* will follow a regular course of one issue per one quarter in future.

I affirm that providing value to the NEDAC members has been my motto and when I talk about value, it is my job to serve. I am here to give you what you need and I hope the articles and information I provide in each issue of *NEDAC News* does that. However, if you need something beyond what is found please reach out to me.



- Is there a specific article or topic you are researching? I can work to find it.
- Is there a specific question or challenge you are facing? I can try help you find the answers you need.
- And, as always, I am open to your ideas regarding editorial direction and coverage.

We have also had our elections last year. And what closely contested elections these were. Where the present Board has got the mandate to form the Board, it will also be under close watch by all for its performance. My request to those who did not win the elections this time will be to remain analytical rather than being critical in their opinion.

Thanks to NEDAC Board again.

Mahmood Manzoor
Editor

PRESIDENT'S MESSAGE

NEDAC BOARD

President:

Mr. Ismat Kamal, P. Eng.

Vice President:

Mr. Syed Imran Ahmed

General Secretary:

Mr. Syed Hussain Haider

Joint Secretary:

Mr. Irfan Arab, P. Eng.

Finance Secretary:

Mr. Osaid Syed

Social Secretary:

Mr. Arif Ali Syed

Information and Publication

Secretary:

Mr. Masood Anjum Khan

NED Liaison Secretary:

Mr. Mohammad Khalid, P. Eng.

Executive Members:

Ms. Nazli Khan, P. Eng.

Mr. Aman Shabbir Siddiqui, P. Eng.

Mr. Asaf Maroof

Mr. Farrukh Karamat

Mr. Ishtiaq Ahmad

Mr. Nadeem Ahmed

Mr. Nasir F. Muhiuddin

It gives me great pleasure to send you this message after being elected NEDAC President for the second term. First of all I would like to express my grateful thanks to all of you for recognizing the past achievements and giving me this opportunity to serve you once again. I am also very glad that through the last elections you have provided me an excellent team of board members full of devotion, talent and energy. With this enthusiastic team NEDAC will have no difficulty in enhancing the prestige of NEDAC and achieving its aims and objectives to the satisfaction of our members.

During the period of less than six months we were able to successfully organize some very interesting activities and programs for the benefit of the NEDAC members and their families such as:

- A general body meeting to discuss and approve amendments to the NEDAC by-laws.
- Professional Development Seminar.
- Survey of members to find out their interests and needs.
- Family bowling event.

Our next event is an 'Evening with Engr. Abul Kalam, Vice Chancellor, NEDUET' to meet and greet him. He will arrive in Toronto at the invitation of NEDAC during the third week of May 2011 on his way to USA.



This will be followed by the much in demand Family Picnic which is scheduled in the last week of July 2011. The Fifth Annual Dinner and Musical Evening will be held in the last week of September 2011.

In addition to these, we will be organizing technical seminars as usual, mehfil-e-gazal and probably a mushaira on the demand of some of our members. Besides, we will continue to assist our members in obtaining professional engineering licenses as well as facilitating the NEDians in their employment and settlement in the new and diverse Canadian environment.

I am confident of your continued support, cooperation and participation in the activities of NEDAC.

Thank you and best regards,

*Ismat Kamal, P.Eng.
President, NEDAC*

NEDAC HOLDS ITS THIRD ELECTIONS - MR. ISMAT KAMAL ELECTED AS PRESIDENT FOR HIS SECOND TERM

The NEDAC Elections to elect the NEDAC Board for the term 2010-2012 were held at the Annual General Meeting (AGM) on Saturday, the 13th of November 2010. The venue of the event was the Etobicoke Olympium in Toronto.

A record number of NEDAC members showed up for the elections, which confirmed that the NEDAC members have a great interest in the future of their Association.

Mr. Zaheer Zuberi (BE Mechanical & Electrical/1963) was the Chairperson of the NEDAC Election Committee 2010. Other members of Election Committee as selected by the Chairperson were:

Mr. Abid Asghar
Mr. Islam Nabi Khan
Mr. Fayyaz Siddiqui



Mr. Rasool A. Kalimi (BE Mechanical/1967) was the Master of Ceremony for the event, who conducted the proceedings with utmost professionalism. He maintained a complete control on the audience along with his occasional humor.

Mr. Kaleemi also showed his class when he recited verses, all written by him, for various persons matching their portfolios. These verses were so well-said that each and everyone present there applauded these and fully enjoyed them.



The proceedings of the evening started with the recitation from the Holy Quran.

It was followed by a welcome address by Mr. Zaheer Zuberi, Chairperson of the Election Committee, who gave the details of the election voting process.

Before start of the voting, all the candidates for the office bearer's positions were introduced to NEDAC members by Mr. Fayyaz Siddiqui. Each candidate got sufficient time to inform members about their past accomplishment and their manifesto and their vision for the future.

The casting of votes started after the introduction of the candidates. NEDAC members showed an exceptional interest in this elections and a huge voter turn-out was seen. The voting process proceeded peacefully.

The Election Committee very professionally carried out the scrutiny of the cast votes counting of the ballots. After the completion of the voting and counting of ballots, election results were announcement by Mr. Islam Nabi Khan.

Mr. Zaheer Zuberi, Chair person of the Election Committee, took oath from the elected candidates. It was followed by words of thanks by Mr. Abid Asghar who invited all NEDAC members for refreshments. The election process concluded peacefully with NEDAC members placing their confidence with the newly elected Board members.

Some pictures on the occasion of the Elections.



The complete results of elections are as follows:

PRESIDENT

Mr. Ismat Kamal (ELECTED)	93
Mr. M. Idrees Khan	87
Mr. Sadiq A. Pirani	4

VICE PRESIDENT

Mr. Syed Imran Ahmed (ELECTED)	108
Mr. Mohammad Mubashir Aslam Quidwai	76

GENERAL SECRETARY

Mr. Syed Hussain Haider (ELECTED)	91
Mr. Muhammad Khaleeq Najmi	90

JOINT SECRETARY

Mr. Irfan Arab (ELECTED)	97
Mr. Tanvir Akhtar	87

FINANCE SECRETARY

Mr. Osaid Syed (ELECTED)	116
Mr. Syed Anwar Ali	68

SOCIAL SECRETARY

Mr. Arif Syed (ELECTED)	104
Mr. Masood Hasan Khan Rao	78

INFORMATION & PUBLICATION SECRETARY

Mr. Masood Anjum Khan (ELECTED)	94
Mr. Asad Asghar	88

NED LIAISON SECRETARY

Mr. Mohammad Khalid (ELECTED)	103
Mr. Latif Anwar Nizamani	80

EXECUTIVE MEMBER

Ms. Nazli Khan (ELECTED)	172
Mr. Aman Shabbir Siddiqui (ELECTED)	139
Mr. Asaf Maruf (ELECTED)	108
Mr. Nadeem Ahmed (ELECTED)	108
Mr. Nassir F. Muhiuddin (ELECTED)	107
Mr. Farrukh Karamat (ELECTED)	104
Mr. Ishtiaq Ahmad (ELECTED)	103
Mr. Najam Yaseen	98
Mr. Muhammed Adeel Sheikh	97
Mr. Muhammad Farooq	97
Mr. Nasir Azam	94

NEDAC HOLD AGM FOR BYLAWS AMENDMENTS

The NEDAC AGM for amendments to Bylaws was held on 26th February 2011 at the Etibicoke Olympium. NEDAC members started arriving early to attend this important meeting. A total of 49 members braved the harsh weather to participate in the first amendments in the Bylaws adopted in 2006.



Master of Ceremony Mr. Fayyaz Siddiqui invited Mr. Irfan Arab, the NEDAC Joint Secretary, for recitation from the holy Quran. Mr. Ismat Kamal, President of NEDAC, welcomed the guests and highlighted the importance of this meeting.



Mr. Hussain Haider, the General Secretary of NEDAC and Chairman of Bylaws Committee, then introduced the members of his Committee which included Mr. Mahmood Manzoor, Mr. Naseeruddin and Mr. Mansoor Kureshi. He appreciated their hard work, contribution and the teamwork. He specially thanked ex-Chairman Mr. Mahmood Manzoor's effort in inviting

suggestion from members, scrutinizing them, editing them and circulating them.



Mr. Hussain Haider also requested Mr. Arif Syed and Mr. Amman Siddiqui to record the voting on amendments. Amendments were read and projected on screen. The NEDAC members participated very enthusiastically in discussing various clauses. Members were allowed to express their opinions and ask questions which were replied by Committee members and others. After a very passionate and very actively participated debate the voting took place and the bylaws were finally approved.

Out of some 35 proposed amendments 25 were approved and ten were not approved. Some of the important approved amendments are:

- Reserving two seats for lady members in the NEDAC board.
- Adding a separate position of Publication Secretary.
- Provision of local chapters in other cities of Canada
- Removal of annual membership fee clause.

The important amendments not approved were:

- Including postal voting in board election.
- Change of simple majority instead of two-thirds majority to approve or amend Bylaws

The details of all the changes were circulated to members and the new bylaws are being uploaded on NEDAC website.

LETTER FROM MINISTRY FORWARDED BY MR. SANTOSH GUPTA FOR NEDAC MEMBERS

The following letter from the Minister of Citizenship & Immigration would be of direct interest to the recent internationally trained engineering graduates and refers to the PEO's FCP initiative under the Open for Business Act. – *Santosh K. Gupta, PEO, Executive Secretary, Council of Ont Deans of Engineering.*

Ministry of Citizenship
and Immigration

Minister
6th Floor
400 University Avenue
Toronto ON M7A 2R9
Tel.: (416) 325-6200
Fax: (416) 325-6195

Ministère des Affaires civiques
et de l'immigration

Ministre
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Télééc.: (416) 325-6195



March 2011

Dear Stakeholder:

I am writing to inform you about the Open for Business Act, which passed in the Ontario legislature last fall, and the benefits it will have for newcomers.

The act, which will create a more competitive business climate, while continuing to protect the environment and Ontarians' interests, will make it easier for professionals such as internationally trained engineers to work in Ontario.

The act removes the citizenship and permanent residency requirements for a Professional Engineer Licence – changes that will have a positive impact for internationally trained engineers and the many companies in Ontario that depend on their skills.

This approach is consistent with our ground-breaking Fair Access to Regulated Professions Act, which led the way in Canada to remove barriers to licensure in regulated professions.

These changes were proposed in consultation with the Professional Engineers of Ontario (PEO). For foreign-trained engineers who apply for a professional license within six months of arrival in Ontario, PEO has made the application process easier by removing application fees. PEO also offers its Engineering Intern Training program at no cost for the first year.

The Government's approach complements Ontario's nationally known and highly successful bridge training programs. These programs are helping newcomers get jobs and get licensed to work – not just in any job, but in jobs that match their education, experience and expertise.

We are an Open Ontario, welcoming new opportunities for growth, and embracing diversity both in our economy and our society. We are also open for business.

I am pleased to provide you with this information as you continue the important work of helping newcomers settle and integrate in Ontario.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric Hoskins'.

Dr. Eric Hoskins
Minister

NEDAC BOARD HOLDS ITS FIRST PROFESSIONAL DEVELOPMENT SEMINAR

The Professional Development Committee (PDC) of NEDAC successfully organized its first Professional Development Seminar for its members on Saturday the 5th March 2011 at Meadowvale Community Center Mississauga. The subject of the Seminar was 'Effective Strategies for Engineers & Career Management - Take Inspired Action to Manage Your Career'.

The seminar was presented by Mr. Mark Franklin, a professional engineer and president and practice leader of the well-known career advisory firm 'Career Cycles'. He has helped over 2000 clients from over 80 countries to become empowered in their career and life choices in Canada.



A good number of NEDAC members participated in the seminar. The seminar stressed on taking control of one's own future. Mr. Franklin advised that the way to take control is advance planning and setting targets.



He encouraged the audience to express their goals and share their stories. Many interesting stories were heard from the participants. One of the participants told how he hired a young engineer who simply walked in his construction site office to take shelter from heavy rain. The young engineer immediately sensed the opportunity and expressed his interest in employment, and eventually was hired. Mr. Franklin analyzed the story and stressed on importance of observation if one is looking for a job.

In summary Mr. Franklin suggested that engineers should be proactive in looking for the opportunity, achieve excellent communication skill, become member of professional bodies and socialize with the members and set goals of their future.

President of NEDAC, Mr. Ismat Kamal and Chairman of the PDC, Mr. Mohammad Khalid welcomed and thanked Mr. Franklin for his excellent presentation. They also thanked the NEDAC members for their interest and active participation in the seminar.

BE AN AUTHOR

NEDAC Newsletter needs your literary contributions. Please send your technical and literary articles for the Newsletter.

If you wish to share any break through engineering news or an engineering 'Great Achievement', send it to Newsletter. Please include all necessary references for such articles.

Mahmood Manzoor / Editor 'NEDAC News'

NEDAC BOARD (2010-2012) – FIRST MEETING

The first NEDAC Board meeting was held under the chairmanship of President NEDAC on 27th November 2010. All the Board members attended the meeting.

It was observed that after the Elections, all the Board members were involved in the meticulous planning of activities and the implementation phase was ready to be launched. Some key decisions were made in the meeting, including the formation of various working committees and planning of upcoming year social and technical activities.

The Board acknowledged the updating of the NEDAC website and finalized the following for circulation to the NEDAC members:

- NEDAC Election 2010 results can now be seen on the election page.
- All new NEDAC member list has been updated with their names and status of their membership.
- New NEDAC Board members' names have been updated.
- New Working Committees have been updated.

The Board also finalized plans for NEDAC social and technical events for the quarter:

- NEDAC Survey to be distributed to members for their input. The Board to request all members to complete the survey. The online survey to serve as an opportunity to NEDAC Members to voice their opinions and wishes for inclusion into event planning for the term (2010-2012).
- The Board to work on an initiative to help NEDAC members looking for jobs and on development of NEDAC member's job search program.
- The Board to hold an AGM in February to discuss and approve suggested changes in the NEDAC Bylaws.

- The Board to plan a family Bowling event tentatively to be scheduled for March 2011.
- The Board to hold a technical Seminar tentatively to be scheduled for March 2011.

The Board also decided for many other new initiatives. The exact dates and location of the events to be notified to the NEDAC members as soon as any event was finalized

The NEDAC President, Mr. Ismat Kamal, informed the Board about his visit to the NEDUET Karachi in December 2010. He met the Vice Chancellor, Engr. Abul Kalam. He invited the VC to the annual function of NEDAC to be held in 2011 and also conveyed to him good wishes on behalf of the new Board and members of NEDAC.

Mr. Ismat Kamal was given the honour to inaugurate inter-university soccer championship taking place at that time on NEDUET grounds. Deans and faculty members organized a luncheon for the NEDAC President. Later on he was taken on a tour of the entire university. This was a great honour bestowed upon NEDAC representative

The Board felt excited on the progress made by the Board in a very short period of one quarter and decided to share the updates with NEDAC members. The Board also decided to keep the NEDAC members in the loop for their active participation in the upcoming events.

The meeting ended on a very positive note and participation by all Board members. The President NEDAC, Mr. Ismat Kamal, thanked all the Board members for their contribution and initiatives taken by them to finalize different NEDAC events and wished the best all of them for the success of NEDAC events.

NEDAC BOARD (2010-2012) – SECOND MEETING

The second meeting of NEDAC Board was held on 29th January 2011. President NEDAC, Mr. Ismat Kamal chaired the meeting.

The meeting was attended by Mr. Syed Imran Ahmed (Vice President), Mr. Syed Hussain Haider (General Secretary), Mr. Irfan Arab (Joint Secretary), Mr. Masood Anjum Khan (Information & Publication Secretary), Mr. Arif Ali Syed (Social Secretary), Mr. Osaid Syed (Finance Secretary), Mr. Mohammad Khalid (NED Liaison Secretary) and executive members including Mrs. Nazli Khan, Mr. Aman Shabbir Siddiqui and Mr. Asaf Maruf.

In the meeting the minutes of the previous meeting were approved and the progress of NEDAC activities and initiatives planned for 2011 were reviewed. The Board discussed various important matters including the forthcoming social events, professional development seminar, finance committee report, next General Body Meeting to approve

bylaws, status of NEDAC online survey, membership committee update, and formation of NEDAC Jobs Resource Bank for the benefit of the members.

NEDAC had launched a survey to ascertain the views and needs of its membership. This would facilitate the Board to undertake various activities and programs in line with the wishes of the members. A General Body meeting was scheduled for Saturday, 26th February 2011 at Olympium Culture Centre, Etobicoke to discuss and approve amendments to the existing by-laws. All members were requested to complete the e-mail survey and to attend the General Body meeting.

The meeting concluded with a word of thanks by Mr. Ismat Kamal. He praised the board members for their hard work and devotion in providing valuable inputs in the planning of NEDAC programs and events for the year 2011.

NEDAC BOARD (2010-2012) – THIRD MEETING

The 3rd meeting of the NEDAC Board was held on 2nd April 2011 in Mississauga. President NEDAC, Mr. Ismat Kamal chaired the meeting.

The Board first reviewed the proceedings of last General Body Meeting, Professional Development Seminar and the progress of NEDAC initiatives planned for 2011.

The board also discussed various important matters including the forthcoming social events, online survey results and other activities developed for the benefit of NEDAC members and their families.

Mr. Arif Ali Syed (Social Secretary) provided the details of the forthcoming *NEDAC Family Fun*

Bowling Event scheduled for *Saturday the 23rd April 2011* at Brunswick Zone Mississauga , 2561 Stanfield Road , Mississauga , ON L4Y 1R6 from 1:00 PM to 4:00 PM.

The Board decided that any NEDAC board member could be contacted for tickets and other details. All the NEDAC members were requested to take part and enjoy this great fun event with their families and friends.

The meeting concluded with a word of thanks by Mr. Ismat Kamal. He praised the board members for their hard work and devotion in providing valuable inputs in the planning of NEDAC programs and events for the year 2011.

NEDAC PRESIDENT VISITS NEDUET AND INAUGURATES INTER-UNIVERSITY SOCCER CHAMPIONSHIP

The President of NEDAC, Mr. Ismat Kamal, visited NED University of Engineering and Technology in Karachi during his trip to Pakistan in December 2010.

He was warmly welcomed by Engr. Abul Kalam, Vice Chancellor of NEDEUT and other faculty members.



In his meeting with the Vice Chancellor, Mr. Kamal informed him about NEDAC activities. Mr. Kamal apprised the Vice Chancellor about the NEDAC Elections and conveyed to him best wishes on behalf of all the NEDAC members in Canada and on the behalf of the newly elected NEDAC Board.

Engr. Kalam briefed the NEDAC President about the academic programs currently in hand at the University and on the construction activities being undertaken for expansion of various programs.

The NEDAC President invited Engr. Kalam to visit Toronto in May 2011 to spend an evening with the NEDAC members. During his last visit to Toronto in 2009, Engr Kalam also spent an evening with the NEDAC members, which gave an opportunity for an exchange of views between the NEDAC members and Engr Kalam on various subjects.



Engr. Kalam will visit USA for the annual function of NED Alumni Association in New Jersey. He agreed to include Canada in his itinerary.

During his visit to NEDUET, Mr. Ismat Kamal was granted a special honour to inaugurate NED Inter University Soccer Championship by kicking the ball on the NED University grounds. He was also introduced to various teams participating in the championship.



Later the NEDAC President was entertained to a lavish lunch arranged by the NEDUET faculty members and staff in his honour. He was also taken around on a conducted tour of the NEDUET Campus by Prof. Dr. Muzzafar Mahmood, Pro Vice Chancellor of NEDUET.

NEWS FROM NEDAC

NEW NEDAC MEMBERS

It is a great pleasure that TWENTY-EIGHT (28) new members have joined NEDAC. With this addition, the total NEDAC membership has reached the 364 mark.

The new members (Membership Numbers 337 through 364 in order) are Mr. BABAR BERRY (BE Electrical/1989), Mr. ABSAR A. FARUQI (BE Civil/1978), Mr. IFTIKHAR AHMED (BE Mechanical/1986), Mr. FARRUKH SHAHAB SIDDIQI (BE Mechanical/1986), Mr. TILEHAN NABEEL SHAH (BE Civil/2005), Mr. MUHAMMAD YAQUB UQAILI (BE Electrical/1996), Mr. NUDRUT ULLAH USMANI (BE Mechanical/1983), Mr. QAMAR SALEEM HANAFI (BE Mechanical/1983), Mr. MURTAZA ALI (BE Electrical/1984), Mr. SAIYED HUSAIN WASTI (BE Electrical/1989), Mr. WASEEM AKHTER (BE Civil/1997), Mr. KASHIF HUSSAIN (BE Civil/1999), Mr. IRFAN MUKHTAR (BE Electrical/1986), Mr. MUHAMMAD JAWAID KHAN (BE Civil/1981), Mr. MOHAMMAD ABDUL QADIR (BE Civil/1967), Mr. ADEEL ASIF (BE Electrical/1991), Mr. HASNAIN HUSSAIN MERCHANT (BE Electrical/1989), Mr. NAJMUL HAQ (BE Mechanical/1972), Mr. RAHAT ALI KHAN (BE Electrical/1972), Mr. AMIR ALI (BE Civil/1998), Mr. MUHAMMAD ARIF HUSSAIN SHAH, Mr. JOHN PETER GILL (BE Civil/1981), Mr. HASAN SHAHEER KHAN (BE Computer Systems/1998), Mr. MOHAMMAD YOUNIS (BE Electrical/1987), Mr. TANVEER A. SHAH (BE Mechanical/1984), Mr. SYED AMAN RIZVI (BE Electrical/1990), Ms. MADIHA NAZ FATIMA ZAIDI (BE Civil/2008), Ms. ASFIA ASAD ALI (BE Mechanical/2001).

NEDAC MEMBER HONOURED

Engineers Canada awarded the prestigious designation of Fellow of Engineers Canada to one of NEDAC members, Mr. Jabbar Khan. In 2007, Engineers Canada created the Engineers Canada Fellowship to honour individuals who give noteworthy service to the engineering profession.

Mr. Khan was nominated for this designation based on his professional services to the engineering profession in Canada.



Engineers Canada is the national organization of the 12 provincial and territorial associations that regulate the profession of engineering in Canada and license the country's more than 234,000 members of the engineering profession.

Mr. Khan is a graduate from NED of 1971 from Electrical engineering department. Currently, he is serving in SNC-Lavalin as Senior Electrical Engineer with significant experience in the power industry and electrical utilities related to petrochemical plants. Mr. Khan's responsibilities included Projects' Coordination, Execution of Engineering Activities, Project Management and Construction Supervision. He has 25 years of overall experience in the power distribution and generation industry including high, Medium and Low Voltage Electrical Systems and Equipment; Switchgears; Circuit Breakers; Motor Control Centres; Transformers; Generators; Motors; Uninterruptible Power Supplies (UPS); Battery Chargers; SCADA; and Protective Relays. He is proficient in both field and shop inspections of electrical equipment and systems, and he has a working knowledge of CSA, NEC, NFPA, ANSI, IEEE, IEC and DuPont standards.

Mr. Khan is a senior member of the Institute of Electrical & Electronics Engineers USA; Chartered Engineer Engineering Council, Member Institution of Engineering and Technology, UK , (Formerly known as Institution of Electrical Engineering and a member of Pakistan Engineering Council.

Mr. Khan has served in Pakistan, Middle East and Canada in various capacities. He worked for WAPDA, Pakistan Steel and PPL in Pakistan and for many oil & gas companies in the Middle East. In Canada, he worked for OPG, Teknica Petroleum Services-Alberta, and SNC-Lavalin.

Mr. Khan is proud for NEDAC members as he is the first NEDAC member who is acknowledged for his dedicated professional services in Canada.

Please join the *NEDAC News* Editorial Team in congratulating him on getting Fellow Engineers Award from Engineers Canada.

NEDAC MEMBER IN IHEEM NEWS

Mr. Syed Naseeruddin, one of the founder members of NEDAC, recently attended a Seminar of IHEEM (Institute of Healthcare Engineering and Estate Management) on Electrical Installations in Healthcare facilities in London. The Institute acknowledged his attendance by posting the news on its website on the following link.

<http://www.iheem.org.uk/News/International-Attendee-at-IHEEM-Seminar>

NEWS FROM NEDUET

DR. SHAHID HAFEEZ MIRZA HONOURD

Prof. Dr. Shahid Hafeez Mirza earned a great achievement for him when he was granted a patent in United States of America. This patent has been granted to him on his research work for his Ph.D. students. During this work they have developed a new Cache Memory model and after verification, patent was granted.

HEC has sponsored the registration process with a fee of \$ 6000. Indeed it is a great achievement and he deserves sincere appreciation from all of us.

He recently joined Usman Institute of Technology after retiring as a Dean of the NEDUET.

SPRING FESTIVAL 2011 HELD AT NEDUET

The spring 2011 Spring Festival was held in NEDUET on 2nd February 2011, which was highly admired by all. The teachers were the heads of all the four committees that erected this festival. A good number of stalls were there in the festival.

The celebrities invited this year were Ali Safina, the famous VJ & RJ, along with the famous actor, Fahad Mustafa.

The VC and his family paid a visit to every stall and appreciated the level of efforts put up by the organizers and volunteers of the event.

NEDUET HOLDS ITS CONVOCATION 2011

Over 1770 fresh graduates and postgraduates of the NEDUET were given degrees at its 19th convocation held on the main campus on Saturday, the 19th February 2011.

NEDUET VC, Engr. Abul Kalam presided over the convocation as the Chancellor and the Sindh Governor, Dr. Ishratul Ibad, could not attend. The chief guest on the occasion was Prof. Ian M. May of the UK's Heriot-Watt University. NEDUET's Pro-VC, Dr Muzzaffar Mahmood, presented the university report.

Of the total 1771 fresh graduates, 1,379 (1179 of bachelor's degree programme and 200 of master's degree programme) received their degrees from the VC in person while the remaining ones were awarded degrees in absentia.

Recipients of the bachelor's degree were from 13 disciplines of engineering: Civil (99), Mechanical (31), Industrial & Manufacturing (71), Electrical (42), Computer Systems (22), Electronics (35), Telecommunications (26), Environmental (23), Textile (04), Chemical (13), Materials (14), Urban & Regional Planning (05) and Computer Science & Information Technology (45). Besides, there were 181 fresh postgraduates, who were awarded degrees of Masters of Engineering/MCIT/MURP.

Earlier, Prof Abul Kalam felicitated the fresh graduates and their parents and hoped that they would serve the country by proving their mettle in their respective fields.

The first research award was presented to the NEDUET Pro-VC-II, Prof Dr Sahibzada Farooq Ahmad Rafeeqi, for having over 60 research publications of civil engineering to his credit.

NEWS FROM NEDUET ALUMNI IN NORTH AMERICA

NEDAAAB's UPCOMING PROGRAMS

In order to meet the needs and for the benefits of NEDAAAB members and professionals from other Alberta based communities, NEDAAAB is planning following upcoming programs:

Program#1: PMP Preparation/PDU earn Programs. A taskforce has been formed to conduct programs not only for the preparation of PMP but also to earn PDUs. Taskforce members are Mr. Haider Ali, Mr. Waseem Ur-Rehman, Mr. Ghufraan Sheikh and Mr. Muhammad Ataullah.

Program#2: HTRI and Compress Analysis. The taskforce members for this program are Mr. Shah Kamal, Mr. Muhammad Ataullah and Mr. Khurram Tauheed

Program#3: Effective Business Writing Skills. The taskforce members for this program are Mr. Muhammad Jamil Khattak, Mr. Zimran Abdullah and Mr. Usman Khan

In addition, NEDAAAB is also planning miscellaneous programs for the benefit of its members. Mr. Saffi Gillani is working on some other useful short courses on How to File Your Tax` and Recent Changes in Canadian Immigration Policies`.

NEDAA WELCOMES NEDUET VC

The NEDUET VC, Engr. Abul Kalam, is visiting New York and New Jersey USA in June 2011. The NED Alumni Association USA has finalized a day long event on the occasion of the visit of Engr. Kalam to USA.

The event will encompass a grand celebration and dinner honouring the VC on 11th June, 2011 at the Crowne Plaza Hotel Windsor Ballroom, 2055 Lincoln Highway, Edison, NJ 08817.

The morning session will have two seminars on `Solar Power and Solar Industry in USA` by Mr. Asif Ansari and Iris Recognition – Your Security vs. Your Privacy` br Mr. S. H. Naqvi.

The evening session will be marked by the speech of the VC, Engr. Kalam. This will be followed by the speech of Mr. Ashraf Habibullah, CEO of CSI, who will be the keynote speaker for the evening speech.

Later the dinner will be followed by, entertainment and music. Mr. Khalid Irfan will present his `mazahiya shairi` and poetry. Popular songs and music by Mr. Sunny S. Diwan has been planned for the enjoyment of the guest after the speeches.

INNA LILLAHAY WA INNA ELAIHAI RAJEOUN

The mother of Mohammed Niaz passed away in Karachi. May Allah SWT rest the departed soul in eternal peace, have mercy on her and place her in *Jannatul Firdous*. Ameen.

Noor Feroz-Ex NEDian, BE Electrical/1984 passed away in New York. He was suffering from lungs concern. He worked in Pakistan with KESC. He was honest and a nice gentleman. May Allah SWT place him in *Jannatul Firdous* and give power, courage to his family to sustain this loss. Ameen

The NEDAC Board and NEDAC members pray for *maghfarat* of the departed souls

SUSTAINABLE DEVELOPMENT

By: AMAN SHABBIR SIDDIQUI, P.Eng.

Mr. Aman Shabbir Siddiqui, P. Eng., is a Civil Engineering graduate of NEDUET of 1987 batch. He has also completed his M. Sc (Environment). Mr. Aman is the member of Editorial Team of NEDAC News and will be responsible for an 'Environment Section' in the Newsletter. I am sure all the NEDAC members will benefit from his experience.

Editor NEDAC News

The term Sustainable Development covers a broad spectrum of concepts. So, it has been defined in several ways according to its application. Following is the United Nations definition.

Sustainable Development Is Development That Meets The Needs Of The Present Without Compromising The Ability Of Future Generations To Meet Their Own Needs.

For achieving the goal of Sustainable Development, the clarity of mind is necessary about how the human life is dependent on this planet we call Earth. We need to understand the natural processes and how human activities affect these natural processes.

Human needs for sustenance of life are fulfilled from the resources available on and under the surface of the earth. We get food from agriculture, wood from trees, material for construction of houses, infrastructure etc, is obtained from above, while metals, oil, gas, and other vital and essential materials are acquired by mining.

Here the question arises, whether we will be able to tap these resources indefinitely no matter how we utilize (or exploit) this natural Capital? The answer is No.

All these materials are formed through several complex natural processes; like oil and gas are formed by the decay of animals, plants and trees buried for millions of years under extreme pressure and temperature. Though we have gained knowledge of a few such processes, and technological advances have been made to help us take advantage of these natural processes. Examples of such techniques include poultry farming, genetically engineered crops, etc.

However, most of the systems are not in our reach and we have no control over them. These processes are vital for humankind and our survival is dependent on them. Unknowingly, most of the time, we are damaging these processes by our activities. For example, the infertility of soils due to too much use of fertilizers, climate changes due to greenhouse gas emissions, our water bodies contaminated by discharging industrial waste water in them, and so on.

The most important point that we have to keep in mind is that human life is here to flourish. This planet, with all the abundance of wealth, has been gifted to us to make this happen. The Societies are developed to live for mutual and collective interests. This leads to the creation of Economies that connect the resources, markets and human beings together within these societies. For their smooth functions, everything is dependent on the different Environmental conditions of this world.

With the growing population and better quality of life, the demand for everything has increased exponentially. This has generated enormous pressure on natural processes that support life on the earth. There seems to be no end to this process because of the ever increasing demands on already stressed ecosystems. It is obvious, if we are unable to take care of this natural capital, then life on this planet will be getting harder and may reach to a point that human race may be at stake in the coming centuries.

The good news is that, the nature has provided its own repair systems, and the conditions are still in control. Sufficient knowledge is available to stop further damage and there are success stories where the damages are reversed. By considering natural resources as our Capital invested in future, we can

easily live on the Interest that grows upon it. Experts have done enough work so that if we are willing to change our priorities, we can live a happy life without changing earth's face.

This approach (of living on the interest of the capital of natural resources) to sustain and grow life in a manner that the natural capital also strengthens to meet increased demands of the future, can be called Sustainable Development.

Sustainable Development can be achieved by developing a Symbiotic relationship between Economy, Society and the Environment.

Local environment is the basis of any culture. How people live in a society depends on the soil where they live. The geographical features, plants, birds, animals and the food grown in a region dictate its conditions on the inhabitants of that region.

Whatever a society does, it should never neglect the local conditions. The wasteful way of life needs to be changed. The simplicity of life must be appreciated and adopted. Economy should also be built on indigenous resources. Interaction of any sort at global level is excellent, as far as decisions and policies are founded on native circumstances.

Nowadays, the corporations have taken control over major decisions, and in certain situations they become more important than governments. The issue of Corporate Social Responsibility (CSR) has reached to new levels. The corporations are themselves showing responsibility towards sustainability as they are realizing benefits of taking steps towards CSR.

In this regard, International Standard Organization, ISO has come up with a new standard ISO 26000:2010, *Guidance for social responsibility*. This is a voluntary standard for all types and sizes of organizations to operate in a socially responsible manner.

After going through all the discussion, it can be said that the major responsibility lies on the individuals in whatever capacity he or she works.

A person may be a politician, economist, professional, entrepreneur or a common man in the

street. If you are getting milk from a cow, then you have to feed it, and protect it from any harm or damage. It is our responsibility to handover this beautiful Earth to our coming generations in a better shape than we got it from our preceding generations.

Definitions of terms used in Environmental Engineering

Brownfield: The abandoned sites formerly used for Industrial or Commercial purposes and contaminated due to leakage and spillage of any hazardous material are considered Brownfield. In Ontario all such sites are required to go through Environmental Site Assessments before any activity could be started.

Emissions: The gases coming out of the stacks (chimney) of factories, power generation plants, vehicle exhausts, etc. Sometimes used for the emissions of Greenhouse Gases in the context of Global Warming.

Soil Bioremediations: The application of biotechnology to reclaim the land contaminated by pollutants. Usually this is used in restoring a Brownfield if feasible. Microbes are used to clean the soil. These microbes disintegrate the molecules of polluting material in the soil to harmless inorganic salts and water.

Wetland: A pool of water, large or small, formed in saturated soil conditions due to rains or floods. The significance of wetlands increases with the flora and fauna they support. Ramsar Convention, An International Wetland Conservation Treaty was signed in 1971, to protect the designated wetlands, wetlands are defined as follows:

- Article 1.1: wetlands are areas of marsh, fen, peat land or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, including areas of marine water the depth of which at low tide does not exceed six meters.

NOTE:

Haleji Lake and Kalri Lake in Pakistan and Long Point in Ontario are designated wetlands.

Technology Available

SODIS - Safe drinking water in 6 hours

Solar water disinfection - the SODIS method - is a simple procedure to disinfect drinking water. Contaminated water is filled in a transparent PET-bottle or glass bottle and exposed to the sun for 6 hours. During this time, the UV-radiation of the sun kills diarrhea generating pathogens. The SODIS-method helps to prevent diarrhea and thereby is saving lives of people. This is urgently necessary as still more than 4000 children die every day from the consequences of diarrhea.

Link: http://www.sodis.ch/methode/index_EN

SODIS (abbreviation of Solar Water Disinfection) is an initiative of Eawag. They facilitate the dissemination of the SODIS-method in developing countries. Thereby people in the south get access to safe drinking water and can improve their health in the long term.

Water is disinfected using the Sun's energy in the Kibera slum of Nairobi, Kenya (Photo: Sven Torfinn, Panos. Source – National Geographic)



WEDDING IN THE FAMILY OF NEDAC MEMBER

The wedding ceremony of Tooba Inam daughter of Mr. Jawaid Inam, NEDAC member and graduate of the year 1974, took place with Badar Qureshi son of Mr. Alam Qureshi in Chandni Banquet Hall in Brampton on 19th February, 2011.

It was a unique gathering where engineers and their families were visible majority.

On bride's side the noted NEDians were M/s Ismat Kamal, Hussain Haider, Rasool Kaleemi, Mahmood Manzoor, Mansoor Qureshi, Mazahir Akbar, Abid Asghar, Mohammad Khalid, Arif Syed, Osaid Syed, Idrees Khan and Fayyaz Siddiqui and UET Lahore graduates M/s Zahoorul Haque and Ali Haroon (old friends of Mr. Jawaid Inam).

Engr.Naseer Uddin , Engr. Qayyum Khan, a Mechanical Engineer from Texas A & M,

Engr.Mati Ur Rehman and Engr.Shahab Ahmed came specially from Qatar, Seoul,Korea ,USA and Saudi Arabia respectively to join the happy occasion of Inam family.

From bridegroom's side the noted NEDians were Aman Siddiqui, Shamsuzzaman and Qadeer Khan who entered the marriage hall with the BARAAT dancing on the tone of loud music and drum. It was indeed a very enjoyable and memorable evening, where some old friends met each other after a long time.

It looked like as if we were in Pakistan. It is to be noted that the bridegroom, Badar, is also a Electrical Engineer from University of Western Ontario, London and additionally holds an MBA degree from Wlifrid Laurier University, Waterloo while his father Mr. Alam Qureshi is a Mechanical Engineer from Mehran University,Pakistan.

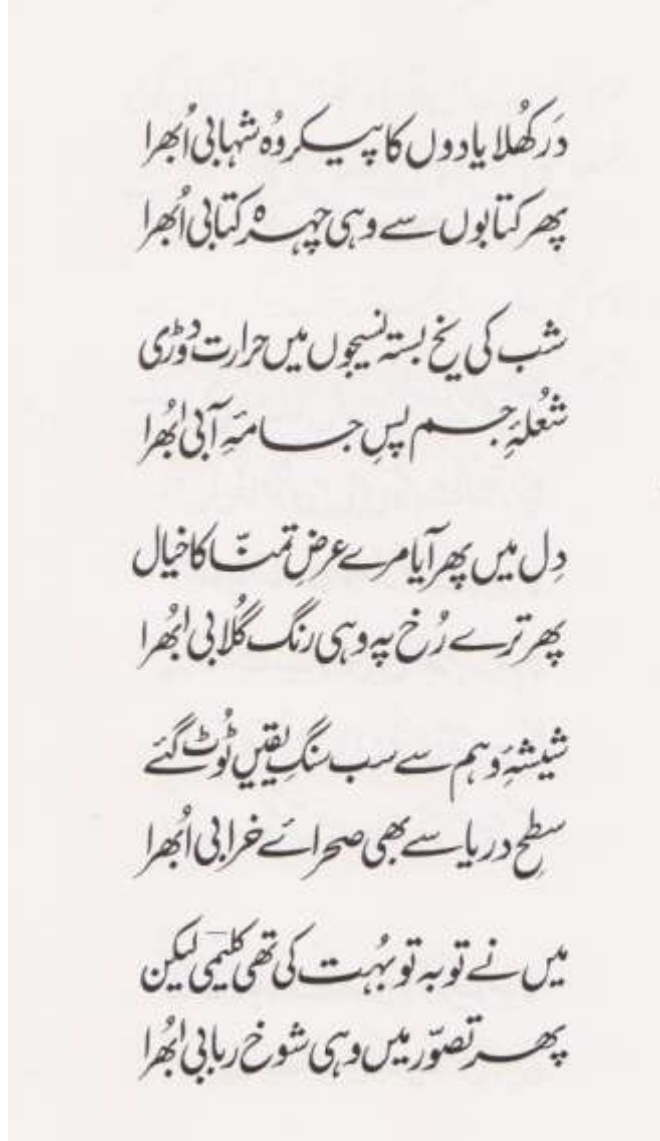


URDU GHAZAL

By: Rasool Ahmad Kaleemi

Mr. Rasool Ahmed Kaleemi is a Mechanical Engineering graduate of NEDUET of 1967 batch. He has got a great love for Urdu literature, and he himself is a very good poet. His work has been published in his book 'Hawa-e-Dasht' His following 'Ghaza' has been taken from 'Hawa-e-Dasht'.

Editor NEDAC News



URDU GHAZAL

By: Syed Manzar Zaidi

Mr. Syed Manzar Zaidi is a Mechanical Engineering graduate of NEDUET of 1978 batch. He has got a great love for Urdu literature, in particular for the Urdu poetry. His following 'Ghazal' is a good reflection of his good literary taste.

Editor NEDAC News

غزل

کچھ تو علاج ہوگا مرے چارہ گر کے پاس
ہیں پارہائے دل جو یہ زخمی جگر کے پاس

پہکان کی پہنچ ہے کہاں تک خبر نہیں
دل تو حسود رکھ دیا تیر نظر کے پاس

شعلہ بدن نے کر کے خردار یہ کہا
رکھو شرابیہ دور، رہو نہ شر کے پاس

خیرہ نظر پنک ہے جو زلف دراز میں
تا بندگی نہیں ہے وہ آب گہر کے پاس

آوارگی عشق کا احوال تھا عیاں
ہر بات کا جواب تھا دیوار و در کے پاس

رسم وفا میں پہتے ہیں ہر آن بے دریغ
ان آنسوؤں کا روک نہیں چشم تر کے پاس

حسن سلوک، صبر و تحمل، وقار و زینت
اوراک اس کا آج کہاں ہے بشر کے پاس

چھوڑی کتاب حاسب آلی سے سیکھ کر
رہتے ہیں میب ڈھونڈتے اہل ہنر کے پاس

کتنے چراغ کر دیئے گل صبح کے قریب
باہر نہ آسکی صبح سحر کے پاس

ہمدردی کے آنے تھے گھر کی بجانے آگ
اسباب لونا چھوڑ گئے لاش گھر کے پاس

مخزن کی میں تلاش میں درو رہیں گیا
منظر کے ہاتھ لگ گیا باب اثر کے پاس

منظر زیدی
دوحہ قطر