

Speech by Engr. Ashab Mirza, Principal IIEE

Saturday, 28th October, 2017

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

The Honorable Minister for Science and Technology; **Mir Dostain Khan Domki**,

The Honorable Chairman PCSIR, **Dr. Shahzad Alam**,

Respected Vice Chancellor NED University; **Dr. Saroosh Hashmat Lodhi**

Director General PCSIR Karachi; **Dr. Khaula Shireen**

Dean, Registrar, Chairmen and other Officials of NED University.

Member Science, & Directors of PCSIR Units; FRC, LRC, SIC, PSTC, Karachi,

Ex-Principals, Faculty Members of IIEE, and IIEE Graduates and their parents.

Ladies & Gentlemen

Asalamualiakum

I Engr. Ashab Mirza, Principal, IIEE welcome all of you in the 3rd Convocation of IIEE.

The convocation is being held after 16 years and really we are grateful to Chairman, PCSIR for the revival of this academic congregation.

On this occasion, I would like to present the Progress Report of the institution. Let me brief you first, about the background of establishment of IIEE.

In early 1980s Government of Pakistan realized that Electronics Technology was rapidly growing and it was progressively making its room in all spheres of modern industrial processes. On the other hand, there was neither any educational institution in Pakistan which was teaching Industrial Electronic Technology, nor there was any locally available Experts which could provide solutions to Electronics based Industrial Processes and Mechanisms.

Keeping in view the need of the hour, the Ministry of Science & Technology in cooperation with Swiss Government established a **MODEL** institution, the IIEE in 1988 with following aims and objectives;

- I. To prepare highly skilled industrial electronics manpower for our industry.
- II. To provide services to local industry for solving solutions to their problems related to industrial electronics engineering.

Thus I request the Audience to realize that IIEE was not established to be run and grow like any university. It was built as a “MODEL” institution.

SWISSCONTACT, a Swiss organization, carried-out IIEE project on *Build-Operate-Transfer* basis. They developed state-of-art institute with name of *Institute of Industrial Electronics Engineering*, on Swiss Standards. All management and main teaching staff were comprising of Swiss experts. The academic infrastructure was also developed on the same standards. At that point of time, IIEE was a unique engineering institution of the country by any means. IIEE inducted First batch of 40 students in 1989 which completed its four-year B.E (Industrial Electronics) and graduated in 1993. Thus the “**first objective**” of creation of IIEE was successfully achieved, in 1993.

Affiliation of IIEE with NED University

HERE, we cannot ignore valuable support, guidance and assistance of **NED University** especially in academic affairs, since its inception. It was due to their contribution, that IIEE got affiliation from NED in 1993.

Faculty Development

The success story of last 28 years is due to the efforts of all Ex-Principals of IIEE, Faculty and its Graduates (Alumni). All the successive managements after departure of Swiss in 1994; followed the Swiss and HEC/PEC standards under the guidance of NED, University and with the financial and administrative support of PCSIR. It is worth to mention here that at the time of 2nd Convocation (held in 2001), almost all Faculty members held ONLY Bachelor Degrees. But

ALHAMDO-LILLAH, now IIEE has;

- One foreign qualified PhD in the applied discipline of Industrial Electronics.
- Three PhD Scholars (in Research Phase), working in the applied areas of Industrial Electronics, under able supervision **Prof. Dr. Syed Muhammad Usman Ali Shah**, at NED University of Engineering and Technology.
- Five MS/ME in the related field of Engineering.
- Serious efforts are being made in improvement of the syllabus and to fortify the laboratories, with the help and support of the Chairman PCSIR.

IIEE Faculty has around 30 publications and the Faculty meets all HEC's and PEC's Engineering Teaching Standards for any *higher educational engineering institution*.

Achievements of IIEE Students and Alumni

After 2nd Convocation, IIEE has produced 650 graduate engineers in Industrial Electronics Engineering. They are contributing and fulfilling the required engineering needs of Industrial sector of Pakistan. They are also capable to pursue for postgraduate study and research in Industrial Electronics or related Engineering disciplines.

- IIEE graduates are the winners of Salam Pakistan Award 2005, awarded by the President of Pakistan.
- Ottawa Centre for Research and Innovation honored Muhammad Arsalan, the best PhD student researcher award for devising micro-antenna embedded on a chip.
- Two Groups of IIEE Students won IEEE Myron Zucker (International) Design Award in; 2004 and 2007.
- Dr. Sheraz Khan got recognition in Guinness Book of World Record in 2013 for his; "First ever Weakest Magnetic Field measurement on surface of earth at the Massachusetts Institute of Technology (MIT), USA".
- Mr. Sajjad Khan assisted the Mercedes-Benz, in June, 2017, for development of new software for digital vehicle and mobility. He is now holding the position of Vice President of Digital Vehicle & Mobility at Daimler.

- Ismail Sultan, Khalil Sultan and Junaid Ahmed got **Fulbright scholarship** for MS at USA, in years 2012, 2014 and 2016, respectively. Besides, many other IIEE Graduates earned numerous foreign scholarships for their graduate studies.
- Four final year student projects were awarded with ICT R&D Funding in 2016.

FUTURE PLANS – Commencement of Services for Industry

Ladies and Gentlemen, I would reiterate that IIEE was not established as competitor of existing Higher Education Institutions of Pakistan. Rather it was founded as *Model Industrial Electronic Engineering Teaching and Solution Provider Institution*, by Ministry of Science & Technology, Government of Pakistan. Therefore, instead of enhancing Students Intake or opening New Disciplines, like any University grows, present management of IIEE would like to achieve the second goal of IIEE synthesis; that is, initiation of R&D services for industry.

A research wing in the field of Industrial Electronics is in offing as now we have One PhD and Three PhD scholars. The formation of this group will be the FIRST STEP towards achievement of our Second goal, that is; “To start working on solving industrial problems related to Industrial Electronics and to provide services to the local industries”.

Industry requires usually two kinds of solutions to its engineering problems;

1. Technological Solutions, and
2. Investigative Engineering Solutions.

This group has proved first kind of problem solving during their stay at IIEE, when they supervised and guided Final Year Projects that were designed and implemented on the REAL Industrial Problems. They also have research publications on these solutions.

Dr. Farah Haroon, by completing her PhD studies from **Asian Institute of Technology (AIT), Thailand**, has already acquired capability to find R&D based engineering solutions to any industrial problems in the field of Industrial Electronics. Whereas rest of three members; **Engr. Sajid Hussain, Engr. Agha Muhammad**

Shakir, Engr. Asif Ahmed Memon, who are doing PhD studies under able guidance and supervision of **Prof. Dr. Syed Muhammad Usman Ali Shah**, will acquire the same capability after completion of their degree.

Finally, I would like to congratulate the Graduates who are being Conferred degree of BE (Industrial Electronics) after completion of their four year of studies. I hope and pray that they will serve their respective Engineering Organization with best of their skills they acquired at IIEE.

I thank all of the Respected Audience, especially the;

- Honorable Minister for Science & Technology,
- Chairman PCSIR,
- Vice Chancellor, NED University, at last but not the least, the
- DG KLC, for her **UNLIMITED** support in holding this Convocation.

With this NOTE of Thanks I will end my deliberations;

W'Aslam-u aliakum.