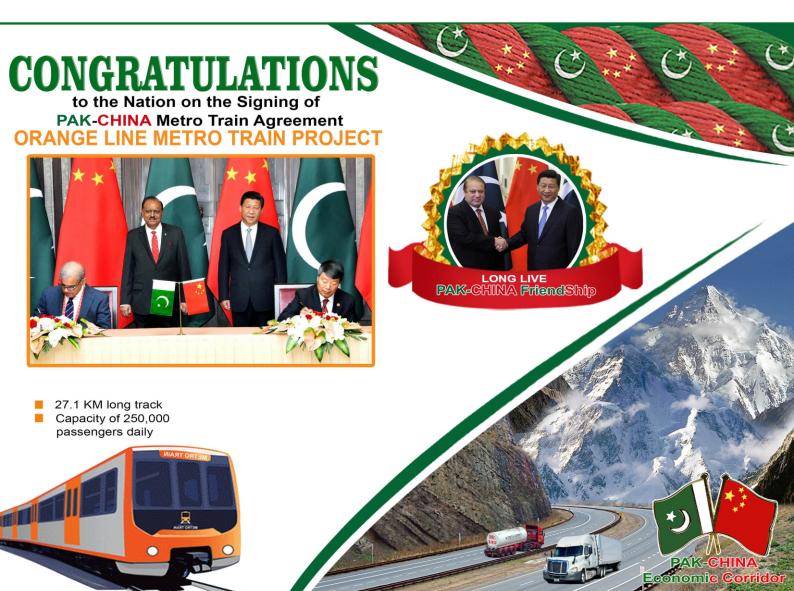
The Pakistan Engineer

ENGINEERS' DAY MAY 7, 2015 SPECIAL ISSUE



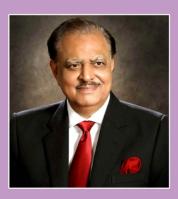


f Pakistan is to take its proper place among the progressive nations of the world, it will have to take up good deal of leeway in the realm of scientific and technical education which is so necessary for the proper development of the country and the utilization of its resources. The establishment of institution like the Institute of Engineers will greatly stimulate technical research and help in disseminating available information. The Institute of Engineers will not only benefit the engineers themselves by improving their technical knowledge but also bring lasting benefit to public services which they are called upon to perform.

I wish the Institute every success".

(Quaid-e-Azam's message to the first inaugural meeting of the Institute of Engineers on 20th June 1948)

Message from
Mr. Mamnoon Hussain
President, Islamic Republic of Pakistan
Patron-in-Chief, IEP



wish to congratulate the Institution of Engineers, Pakistan for organizing Engineers' Day celebrations on 7th May, 2015.

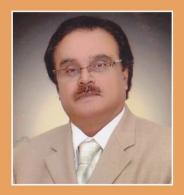
Engineers play a critical role in the development of countries, whether developed or developing. All Natouis increasingly rely on engineers to remain on the cutting edge of economic growth and to remain competitive in the prevailing environment of global economic competition. They have an indispensable role to play in improving manufacturing processes, developing efficient sources of energy, and building the edifice of communications and transportation infrastructure. These areas not only have sizeable impact on social and human development but also in improving the strategic defense systems. Pakistani nation owes a debt of gratitude to its engineers and technologists.

The Institution of Engineers, Pakistan has been in the forefront of our national effort to promote and develop engineering profession by holding symposia, conferences and national and international workshops. Holding the Engineers' Day is thus a worth while effort to promote the cause of engineers and engineering profession in the Country. Celebrations like the Engineers' Day help in bringing together the experienced engineers and their youthful colleagues thereby providing an opportunity to blend experience with latest advances in engineering knowledge and expertise. I am confident that the young engineers will seek to benefit from the experience of their peers in the profession and at the same time discuss some of the latest advances in various disciplines of engineering.

On this occasion I wish to congratulate all distinguished engineers who have been honored with the Excellence Awards in recognition of their contributions to the engineering profession. As leaders they should serve as an example to young engineers.

I once again congratulate the Institution of Engineers Pakistan for organizing the Engineers' Day celebrations. I wish the Institution of Engineers, the organizers and the participants all success.

Message from
Engr. Syed Jamshed Ali Rizvi
President. IEP



t is a matter of great pleasure that Institution of Engineers Pakistan is celebrating the Engineers' Day on 7th May, 2015 as per its tradition in previous years. This great event will provide opportunities for the engineers to evaluate their future inputs for the profession and chalk out strategies for better service to society. They can discuss plans for the development of Pakistan in the prevailing circumstances.

Technology has become the key resource where change is the only constant in all the segments of our society. Engineers alone are the force best prepared to manage such change and to arrest the rapid erosion of nation's competitiveness.

The engineers provide the much needed hope for regaining this loss of competitiveness. This is not a tall claim at all. The attribute has been acquired through professional training and competence. We plan, we conceive, we construct and build. We are proud of our accomplishments. We Engineers should recognize and appreciate each other so that others would also follow this course.

I wish a very happy and prosperous future for the engineering community on this occasion.

Message from
Engr. Mian Sultan Mahmood
Secretary General, IEP



he major significance of the "Engineers' Day" this year like the past years is that it reminds the Engineering Community of the challenges which the Nation is facing now-a-days mostly with reference to the curse of Energy Crises.

The nation always looks towards the Engineers for the purpose of solving the problems which the country is facing in all disciplines of Engineering. Our Engineers have great experience today for the execution of projects of international level using their skills effectively. We can say it with pride that our Engineers are capable of delivering results that were used to be possible in the past only with the active participation of foreign experts. Thanks to the Pakistani Engineers, we do not have to depend on the foreign talent for the purpose of solving our national technical problems now.

The role of our Engineers in the up coming Major Projects with the help of China shall be very important. We must grab this opportunity and prove our worth effectively and efficiently. Let's pledge that we will make concrete efforts to make Pakistan a prosperous and welfare oriented state.

I pray to Almighty Allah that He may give us the strength and perseverance to fulfill the task. (Ameen).

Message from
Engr. Amir Zamir Ahmed Khan
Secretary IEP Lahore Center



t is a matter of great pleasure that IEP Lahore Centre is celebrating Engineers' Day 2015. On this day we honor and salute the engineers and their hard work and spirit on their excellent contribution to public welfare. On this occasion IEP Performance Shields / Excellence awards are presented to the Senior Engineers of IEP and the Engineering Organizations as Engineers are the back bone of any country who materialize whatever perceived and conceived for the economic and social development for the country by them. According to our manifesto our focus is on the advancement of engineering profession for which we have started different Courses. A large number of engineers are participating and sharing knowledge with renowned Specialists.

We are also freely committed to meet the severe challenges which are being faced by the Engineering Sectors as only Engineers can play a vital role in the solving these issues. We are also holding Conferences and technical lecture for the benefit of engineering community through this skill knowledge / capability of engineers is enhanced.

I am also trying my best that the interest of members in the affairs of IEP Lahore Centre is renewed.

The Central Council of IEP has given a package to young engineers to become Life Member of IEP. The defaulter Members can also get their membership renewed by paying Rs. 1500/- so that they may sustain permanent relationship with IEP to play their active role in the affairs & activities of this august body.

I wish a happy and prosperous future for the engineering community and wish the Engineers' Day a success.

IEP, a brief history

he Institution of Engineers, Pakistan came into existence on May 07, 1948 with the blessings of Father of the Nation Quaid-e-Azam Muhammad Ali Jinnah.

experts to the country during the International Congress so that Pakistani engineers can interact with them to exchange scientific and technological knowledge. The IEP provides in service training to the practicing engineers



IEP, the largest body of professional engineers in Pakistan established in 1948 and incorporated by the Royal Charter of 1937 as Successor in interest to the Institution of Engineers India provides a forum for the professional development of engineers through a wide range of activities and programmes. The Institution comprises 14 divisions presently covering the maximum range of engineering disciplines. At present, IEP has over 50,000 members out of whom around 20,000 are corporate members. The membership of the Institution carries with it the pride of the profession. It has nine Local Centers, situated in the four provisional capitals and also at places where there is a large concentration of engineering activities. It has two overseas chapters.

The IEP has bilateral relations with 32 professional societies and institution abroad. It acts as a National Committee of the World Federation of Engineering Organizations(WFEO),the Commonwealth Engineers Council(CEC),UK, American Association for Advancement of Science(AAAS), a founder member of Federation of Engineering Institutions of South and Central Asia(FEISCA)as well as Federation of Engineering Institutions of Islamic Countries(FEIIC)and Consortium of Affiliates for International Programme (CAIP). The Institution is the premier professional organization of engineers, discipline -wise, the most comprehensive one, having 14 engineering discipline besides an inter-disciplinary group. Different branches of engineering have become so much inter-dependent that the growth of one discipline helps the growth of the other and therefore, engineers specializing in one branch get the opportunity to keep themselves abreast of the latest developments in other disciplines as well.

To update the knowledge of professionals, IEP publishes a journal and conducts various technical discourses such as lecturers /continuing education courses, seminars and symposia, workshops, round table group discussions through its vast network of Local Centers. The Institution also invites foreign

through holding short courses. These training courses are designed keeping in view the latest developments in the field as well as future requirements of the country.IEP is the largest open university ,and so far produced over 2000 engineers through non-formal mode of education. This is undoubtedly one of the most noteworthy national service Institution is providing since its inception.

The Institution holds the coaching classes for students preparing for MIE examination. Of its various activities, the programme of nonformal engineering education offered by the Institution, is unique and has enhanced the opportunities for the in-service engineers and technologies for acquiring higher qualifications. To enlarge the scope of its role in imparting technical education, the Institution conducts short courses, so as to equip the engineers to face the newer demands and challenges. IEP aims ,at all times, at creating a respectful disposition for all the elements closely connected with society .Science and technology are powerful means to create a new humane, non explosive and peace -loving social order. It aims at acquiring overall technological strength in the independent, yet incomplete world. It is essential not only to adopt and adapt but also to carefully innovate in every part of the value chain.IEP helps create and develop strategic knowledge directly integrated with social requirements, which should have a human face and technology that is sustainable. It encourages to develop appropriate technologies that can be transferred, improved and transformed. To provide appropriate forum to the women engineers, to enable to play their effective role in the development of the country, IEP has a separate IEP Women Engineers

IEP believes in fairness and integrity in the workplace, competence, devotion to service and dedication to enhance the quality of life, or corner stones of professional responsibility, for which IEP stands, Individuals may form communities, but the institutions alone can build a nation.

Special Issue The Pakistan Engineer May 7, 2015



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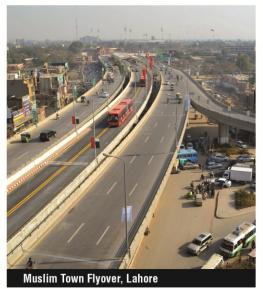
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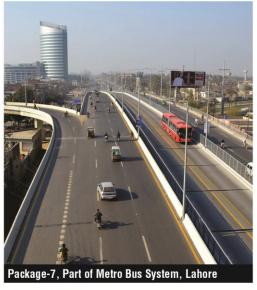
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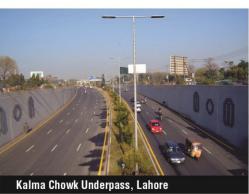
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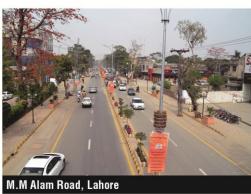
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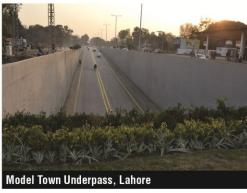


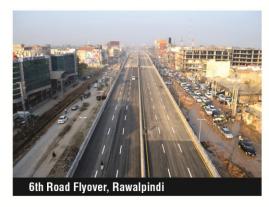


















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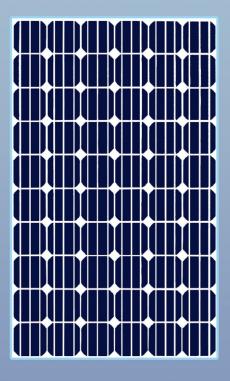
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ACE

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