SOUVENIR

52nd ENGINEERS' DAY 2019 "Engineering for Change"





15th SEPTEMBER 2019

Venue: Millionaire Hotel, Neelam Bata Road Faridabad Organized by

The Institution of Engineers (India) FARIDABAD LOCAL CENTRE

Qr. No. 45, Ist Floor, YMCA University of Science & Technology Sector 6, Mathura Road Faridabad- 121006. | **Tel.:** 0129-4158798 | **Fax:** 0129-4100798 **Email:** faridabadlc@ieindia.org | **Website:** www.ieifbdlc.in

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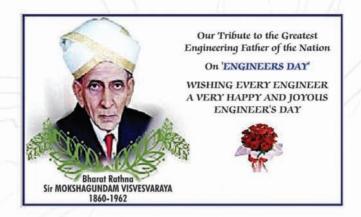
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Dr. M Visvesvaraya - The Legendary Engineer



Born: September 15, 1860

Died: April 14, 1962

Achievements: Architect of Krishnarajasagar Dam; devised steel doors to stop the wasteful flow of water in dams; honored with Bharat Ratna.

Sir Mokshagundam Visvesvaraya was an eminent engineer and statesman and played a key role in building of modern India.

Some of the honours and laurels conferred on Sir M. Visvesvaraya

- 1904: Honorary Membership of London Institution of Civil Engineers for an unbroken period of 50 years
- 1906: "Kaisar-i-Hind" in recognition of his services
- 1911: C.I.E. (Companion of the Indian Empire) at the Delhi Darbar
- 1915: K.C.I.E. (Knight Commander of the Order of the Indian Empire)
- 1921: D.Sc. Calcutta University
- 1931: LLD Bombay University
- 1937: D.Litt Benaras Hindu University
- 1943: Elected as an Honorary Life Member of the Institution of Engineers (India)
- 1944: D.Sc. Allahabad University
- 1948: Doctorate LLD., Mysore University
- 1953: D.Litt Andhra University
- 1953: Awarded the Honorary Fellowship of the Institute of Town Planners, India
- 1955: Conferred 'BHARATHA RATNA'
- 1958: 'Durga Prasad Khaitan Memorial Gold Medal' by the Royal Asiatic Society Council of Bengal
- 1959: Fellowship of the Indian Institute of Science, Bangalore

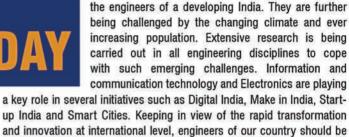
To commemorate his journey and deeds the whole of India remembers him on 15th September ever year i.e. Engineers' Day.

52nd ENGINEERS' DAY

Theme: "Engineering for Change"

September 15 is celebrated every year in the country since 1967 as "Engineers' Day" to commemorate the birthday of the legendary engineer Sir Mokshagundam Visvesvaraya. Sir Visvesvaraya, an eminent Indian engineer and statesman was born in a remote village of Karnataka, the State that is incidentally now the Hi-tech State of the country. Due to his outstanding contribution to the society, Government of India conferred "Bharat Ratna" on this legend in the year 1955. He was also called the precursor of economic planning in India. His learned discourse on economic planning in India, Planned Economy for India and Reconstructing India, was the first available document on the planning effort of the country and it is still held as the parent source matter for economic planners. A

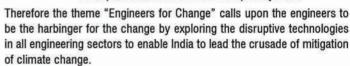
theme of national importance is chosen every year by the Council of the Institution and deliberated at its various State/Local Centres to educate the engineering fraternity in general and the society in particular. This year the 52nd Engineers' Day will be celebrated all over the country and the Council of the Institution has selected the theme as "Engineering for Change" to mark the occasion.



'Change' is the most important challenge faced by

prepared to cope-up with the changes. The complexity further increases due to environmental concerns and actions needed for sustainable development. Engineers now cannot restrict themselves to a particular discipline. Good understanding of interdisciplinary innovations, design, planning and undertaking of researches and projects on that is the need of the hour.

Renewable energy has become the key notion of all Electrical as well as Environmental engineers as we have to move away from fossil fuel to save the environment. Wind energy and solar PV energy are now finding place amidst the conventional energy supply of the nation and interconnectivity of those with the main grid is being looked into. To facilitate the mobility of the huge population of our country, 'Green transport' is required to be implemented for all mass transport system.



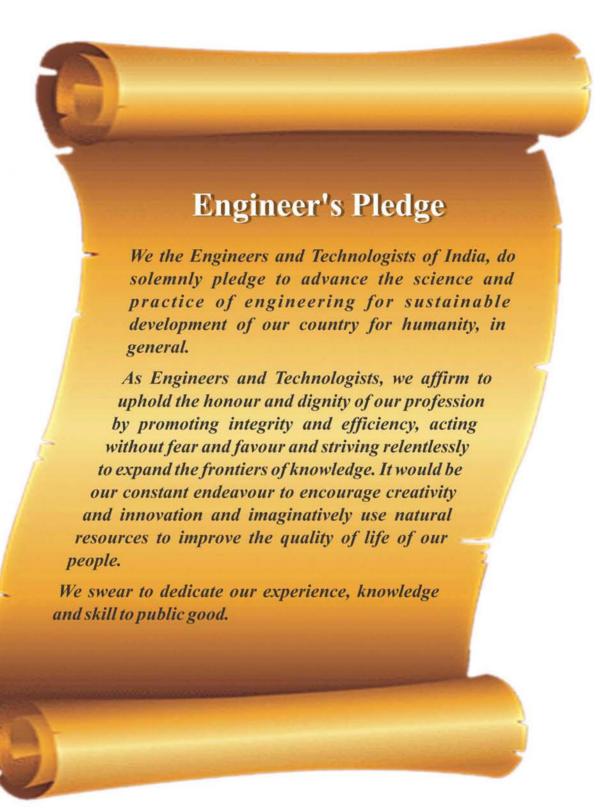
The theme 'Engineering for Change' is chosen for Engineer's Day 2019 celebrations to address all these aspects.



Bharat Ratna Sir M Visvesvarava

MISSION AND VISION

- To Promote Advancement of Engineering And Engineering Science, Amongst Members
- To Provide Vast Array Of Technical, Professional And Supporting Services To Govt, To Industries, To The Academic And To The Engineering Community.
 - TO PROMOTE NON-FORMAL ENGINEERING EDUCATION In our country this is very relevant because sometimes even the brilliant students are deprived of formal education due family reasons or financial constraints etc. IEI Offers a great support in such situations.



The Institution of Engineers (India)

(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)

FARIDABAD LOCAL CENTRE

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Er. Sandeep Handa, FIE Honorary Secretary +919818210660 sandeep.handa@ieifbdlc.in

"99 years of Relentless Journey Towards Engineering Advancement for Nation-building"



MESSAGE

It's indeed a great honor and privilege for me to extend a wholehearted welcome to all the delegates and the IE(I) members for 52nd Engineers' Day Celebrations.

The theme of the conference is "Engineering for Change" 'Change' is the most important challenge faced by the engineers of a developing India. which holds the meaning engineers have the skills to change products of imagination into real world innovation.

I am sure that the engineers and other engineers attached to Faridabad Local Centre will make best use of opportunity to deliberate on the topic while celebrating the birth anniversary of **Bharat Ratna Sir Mokshagundam Visvesvaraya**.

On this occasion we are releasing Souvenir which highlights some of the key activities done by the Local Centre in the past one year. We congratulate the team efforts for those who have contributed their best efforts in preparing and participating in the Souvenir.I am sure that all the delegates attending this event will find it a stimulating and informative event. "THE BEST INVESTMENT YOU CAN MAKE IS INVESTMENT IN YOURSELF...THE MORE YOU LEARN, THE MORE YOU'LLEARN."

BEST WISHES

Er. Subhash CHANDER, FIE

Chairman











Message

It is a matter of great pleasure that the Institution of Engineers (India), Faridabad Local Centre is Celebrating 52nd Engineers Day on 15th September 2019. The Institution of Engineers (India) observes Engineers Day every year on the birth anniversary of Bharat Ratan Sir Mokshagundam Visvesvaraya, to serve the community and Nation in conformity with the ideals of this, eminent Engineer & Statesman.

The theme for this occasion is "Engineering For Change.

I am confident that the topic will provide an opportunity to the members attached to this Centre to exchange their ideas and deliberate on the road map ahead on the subject while observing the birth anniversary of Bharat Ratna Mokshagundam Visvesvarya.

I convey my warm greetings to the participants and best wishes to the organizers for the grand success of the celebrations.

(Vipul Goel)

Cabinet Minister

The Institution of Engineers (India)

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Er. Sandeep Handa, FIE Honorary Secretary +919818210660 sandeep.handa@ieifbdlc.in

"100 years of Relentless Journey Towards Engineering Advancement for Nation-building"



MESSAGE

It is a matter of great pride to pen down the message for Souvenir. My heart fills with immense pleasure as I perceive the progress being made at The Institution of Engineers (India) Faridabad Local Centre.

I am gratified to know that we are celebrating 52nd Engineers' Day on 15th September 2019 on the theme "Engineering for Change". It is great moment to celebrate the centaury celebration by inaugurating the new logo of the Institution this new logo highlight the 100 years of our Institution.

"There is no room for complacency in the fast moving and changing world. The changes are further being challenged by the changing climate and ever increasing population. Information and communication technology and Electronics are playing a key role in several initiatives such as Digital India, Make in India, Start-up India and Smart Cities.

I am sure that the Engineers and other participants will make best use of the opportunity to deliberate on the topic while celebrating the birth anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya.

I extend my warm wishes to all participants, our distinguished guests, IE(I) FLCC Committee members and team who have associated with us in making this event a great success.

Best Wishes

Er. Sandeep Handa, FIE Honorary Secretary



Mob.: 9810012999

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J. P. Malhotra



Message

Engineers Day Celebrations provide the engineering fraternity a golden opportunity to pay tributes to the legendary Bharat Ratna Sir Mokshagundam Visvesrvaraya who during his lifetime left a lasting impression and impact of ethical working at the higher places of work.

A real tribute to him would be follow his ideals and serve the community, make it ethical and ensure that the benefits of industrialization reach the last man.

I am very pleased to know that Institution of Engineers India, Faridabad Local Centre is celebrating 52nd Engineers Day on 15th September, 2019 on theme "Engineering for change". It is relevant that we deliberate on this key issue and come out with innovative ideas to engage the engineering youth, indulge in their skill development that makes them employable or self employed so that they use their engineering knowledge to bring about changes to make living more ecofriendly.

I am sure that deliberation at the Engineers Day Celebrations would be of high order, make concrete and concise recommendations to the authorities on "What needs to be done".

On behalf of DLF Industries Association, we are proud to be associated with IEI,FLC, congratulate the engineering population and wish the celebrations a grand success.

Kind Regards

Date: 07 September 2019

Er. J.P. Malhotra FIE President DLF Industries Association

TEAM - Together Everyone Achieves More



Message

It fills me with joy and wonderment how Engineering has witnessed a rapid evolution in the last few decades and how immensely it has contributed to the industrial and economic growth of our nation. It fascinates and gladdens me to see how engineering has made a long way and how beautifully it has shaped our world and impacted our lives making it simpler and smoother in many areas we have a long way to go and further improvise and aggrandize our engineering skills. It is crucial and make the use of advanced technology and modern techniques, think beyond your imaginations and break the ceiling with world class Engineering.

I take great pride in saying engineering and innovation drive growth, prosperity and high quality of life and you engineers, the budding minds, are the sole reason behind it. Lastly

I congratulate you all on choosing this profession and a very happy and delightful Engineer's Day to you all. I convey my best wishes and extend my sincere thanks to The Institution of Engineers (India) for an eventful and enriching experience.

Rajive Chawla Chairman IamSME of India





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12th September, 2019

Message

On the occasion of Engineers Day, I wish to compliment The Institution of Engineers (India) for the stellar role being played towards promoting advancement of Science, Technology and Engineering knowledge.

I am very pleased to learn that The Institution of Engineers India, Faridabad Local Centre is celebrating the 52nd Engineer's Day on 15th September 2019 with the theme "Engineering For Change".

On this momentous occasion, I wish the organization and its members my heartiest felicitations and hope that the organization will continue to flourish in the future.

With Regards

Panjew Khamk

Sanjeev Khemka President



Faridabad IMT Industries Association

Plot No. 688, Sector-69 IMT Faridabad Ph.: +91 9810337721 Email: fimtia@gmail.com www.fimtia.in

GST No. 06AACCF6347G1ZP; CIN No. U91900HR2014NPL053501



The Institution of Engineers (India) Faridabad Local Centre

It gives me an immense pleasure to note that The Institution of Engineers (India) Faridabad Local Centre, is observing $15^{\rm th}$ September 2019, as this years Engineers Day

This is a very important day for the engineering fraternity, as on this day Bharat Ratna Sir Mokshagundam Visvesvaraya, the precursor of economic planning in India, was born.

The theme for this years commemoration of $52\,^{\rm nd}$ Engineers Day of the Institution of Engineers (India), **Engineering for Change** is very appropriate in todays context since it refers to digitiation and integration of any simple to complex technical and commercial perspectives.

I am sure that the deliberations on the topic of the celebration will benefit engineers, technologists and other stakeholders to update themselves on the topic.

I wish the event a grand success and convey my good wishes to all.

Why

M.L. Sharma President (FIMTIA)





Er. Subhash Chander FIE, Chairman

Members of the Executive Committee

The Institution of Engineers (India)

Faridabad Local Centre

cordially invite you to

52ndEngineers Day Celebrations

Presentations on Theme "Engineering For Change"

and

"Presentation of Awards"

Chief Guest

Mr. V.K. Malik, CMD Melco Group of Companies. Faridabad

Guest of Honor

Mr. H.L Bhutani, Chairman Hyfit Engineers

at

6:15 PM on Sunday , the 15th September, 2019 at Hotel- Millionaire, Neelam Bata Road, Faridabad

Please stay back for Cocktail & Dinner at 08:30 PM

Er. Sandeep Handa, FIE Honorary Secretary The Institution of Engineers (India), Faridabad Local Centre

#9818210660,faridabadlc@ieindia.org

JOIN IEI MEMBERSHIP

Come to mainstream with your fellow professionals

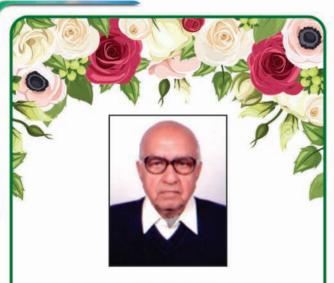
To be a part of National Engineering Excellence, Engineers of all disciplines are requested to take Membership of The Institution of Engineers (India).

For details contact:

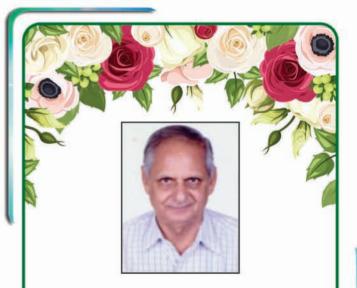
IE(I) Faridabad Local Centre at faridabadlc@ieindia.org

visit our website at www.ieifbdlc.in

We operate from Qr. No. 45, YMCA University of Science and Technology, Sector 6, Faridabad-121006.



We at IEI FLCC pay our respects and homage to Sqd Ldr. S L Khosla who made huge contribution and rendered service to the cause of Engineering Fraternity.



We at IEI FLCC pay our respects and homage to Er. H S Dhaiya, Past Chairman who made huge contribution and rendered service to the cause of Engineering Fraternity.

Author Introduction & Abstract of Paper

Engineering for change: A broad understanding



Dr. Pratima Manhas FET Manav Rachna Int. University



Shaveta Thakral FET Manav Rachna Int. University



Parv Kukreja FET Manav Rachna Int. University

Abstract: The Oxford dictionary defines an engineer as 'a person who designs, builds, or maintains engines, machines, or structures'. To run this world we need a thinker and a doer and that is what exactly an engineer is. From the ancient times when pyramids were built till today, when we are exploring other planet and even galaxies, engineers have always had a great impact on this world. The services and products we use today, majority of them have at least some element of Engineering involved in their manufacturing. In this paper we will discuss the different disciplines, which come under engineering, what purpose they serve and their importance.

Keywords: Structures, machines, designs, manufacturing, products

1. Introduction

Engineering consists of a wide variety of disciplines, which means, no matter what your choice of interest is whether it is civil, electrical, mechanical, software or designing etc. most probably you will find yourself a career in the engineering world.

There are 4 core branches:-

- 1. Civil Engineering
- 2. Chemical Engineering
- 3. Electrical Engineering

Author Introduction & Abstract of Paper

Engineering for change (E4C)



Dev Kumar Jaiswal AMIE (Electrical), MBA (Finance), M.I.E (M-1575346), Chartered Engineers, Fellow Membership (Applied)

Abstract : Engineering for Change can do being connected through various forum, collaborate, solve challenges and share knowledge among a growing community of engineers. Spending time developing our self-awareness and building our confidence will lead to us being more resilient during change. This also gives us guidance on what we should try to protect and maintain in order to remain in a stable condition. We're all vulnerable to thinking these things, and sometimes they're valid. But most of the time it's just a knee-jerk reaction to change, and can prevent us from seeing the opportunities that are there.

To improve is to change; to be perfect is to change often. "(Winston Churchill)

Every day, in every part of our lives, we are faced with multiple changes—big and small, quick and lingering, sudden and gradual—that us keep finding our self in the same conversation about it over and over again.

Change is perhaps the only constant that persists in our lives. The whole existence of human kind revolves around change, being it from the rotation of the earth to our day to day small and big phenomenon of changes taking place in our lives.

Construction of infrastructure to building the environment for our needs highlights the ways in which we engineers shape the world and impact our everyday lives. We are surrounded by the changes.

We confronted with change, we can either respond positively or negatively. But some of us seem to adapt to it more effectively than others. These people are described as being "change agile."

Author Introduction & Abstract of Paper

Digital Responsibility - Taking Control of your Digital Life

Er. Charu Smita Malhotra, MIE (CEO: TapDC, Faridabad)



Abstract:

Humankind's insatiable demand for electronic devices is creating the world's fastest-growing waste stream. Some forms are growing exponentially. The United Nations calls it a tsunami of e-waste. The transition towards a more digital world and a growing information society and economy offer unprecedented opportunities for sustainable development. At the same time, they contribute to the growth of the global consumption of electrical and electronic equipment, and – consequently – to growing amounts of electronic waste.

Hard Facts:

- If ocean plastic pollution was one of the major environmental challenges we finally woke up to in 2018, the ebb and flow of public opinion could and should turn to electronic waste in 2019.
- The numbers are astounding; 50 million tonnes of e-waste are produced each year, and left unchecked this could more than double to 120 million tonnes by 2050.
- More than 120 countries have an annual GDP lower than the value of growing pile of global e-waste.
- The situation is not helped by the fact that only 20% of global e-waste is formally recycled. The remaining 80% is often incinerated or dumped in landfill.
- If we look at the material value of our spent devices, globally this amounts to \$62.5 billion, three times more than the annual output of the world's silver mines.

With the technology development of consumer electronics, the whole world is facing serious problems caused by high e-Waste (Electronics Waste) flow produced every day. India has already become the 2nd largest supplier of consumer electronic in the world and will become the number 1 in the next few years. Unlike Plastic, Recycling electronics is a waste of energy. It is however, better than throwing away stuff but not a solution. E-waste is not pollution, nor is it waste - it's a vital resource we are only just starting to value in full. We already know what the solutions are; it is now a matter of implementing them effectively. Many environmentalists argue that the most effective way to deal with the technotrash problem is for manufacturers to take responsibility for overhauling the way they produce electronics. The best solutions probably start with manufacturers, who can make an effort to use fewer natural resources during production and to avoid employing hazardous materials that create disposal hazards. There's a need to gather together all the players in the supply chains to discuss the policy & market of eWaste in India and globally, EWaste Management in India and globally, circular economy & extended producer responsibility.

In my presentation, I'll talk about - How we can tackle the problem and how to turn ewaste into reusable material.

Author Introduction & Abstract of Paper

Engineering for change in Digital World - Destination Unknown

Er. Pankaj Kumar,

AMIE, Corporate Member The Institution of Engineers (India), Life Member Broadcast Engineering Society (India) Technical Consultant @ Purecss, Faridabad http://www.purecss.in



Abstract:

Engineering is important. It is also challenging and exciting. Engineers use models provided by science combined with innovative thinking to solve problems and create new designs that benefit humanity. It is "Science" to describe electromagnetic radiation, but it is "Engineering" to build a radio & more. Engineers at every stage of changes worked, Digitalization impacts individuals, businesses, and society as a whole. This implies huge challenges with changes—and at the same time promising chances for companies and Very true for Engineers.

Digitalization = Huge challenges with changes + Promising chances

Engineering is a live with all phases of change from identify, design, and implement process improvements; automating manual processes, optimizing data delivery, re—designing infrastructure for great scalability, etc. Many devices we are producing for our daily use these have led to manifold problems including the problem of massive amount of hazardous waste and other wastes generated from electric products. It constitutes a serious challenge to the modern societies and requires coordinated effects to address it for achieving sustainable development. This paper presents directions of digitalization & role to provide safe and secure environment.

Author Introduction & Abstract of Paper

Need of Change in Mindset to Bring Changes in Engineering for Improvement of Life

Dr. S.V.A.V. Prasad¹, Sarita Zutshi Bhan², Dinesh Kumar³

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Dr. S.V.A.V. Prasac

Abstract: Smart Engineering is the voice of today for better living standards. New age technologies using distinct systems for banking, industrial automation, healthcare, communication media, railway and airway reservations, etc. are the innovations with backend support from engineering fields. Such innovations have evolved from yesterday's core engineering methods to today's new age interdisciplinary engineering methods. Every year plenty of innovations mark their entries in this world with the intentions of making life more convenient, happy, safe and healthy though leaving some pros n cons in the hands of the user. This paper is oriented towards the importance of latest smart technological innovations that have proved as boon to mankind.

Keywords: Interdisciplinary, Engineering, Innovations, Mindset.

Author Introduction & Abstract of Paper

Engineering the Future of Our World



RichaAdlakha
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Dr Anita Khosla
Asso. Professor
Department of Electrical & Electronics
FET, Manav Rachna
International University

Abstract: Engineers have the skills to turn products of imagination into real world innovation. As humanity's. Knowledge and needs increase, the demand of engineering grows. This means the future will be full of new opportunities for engineers. To make the life better and more comfortable fo2ced the engineers to dive into real innovations which has eventually changed our world today. This paper presents the direction of Industry 4.0 future development and concepts of smart factory. The application of new technology based on cyber-physical systems leads to significant improvement in the field of healthcare, smart societies and smart factories using Automation, Big data, IOT & Employer & Employer

Artificial Intelligence leading towards reduced time period from the development of a new product and its market launch.

Author Introduction & Abstract of Paper

Proposal of mi-Health systems

Dr. SVAV PrasadDr. Arvind Rehaliaprasad.svav@gmail.comrehaliaarvind@gmail.comLingaya University, Faridabad,BVP COE, New Delhi, India

Abstract: This paper proposes the implementation of both mobile health and Internet of things i.e. mi-Health, in Health services in the remote areas. It is evident that mobile and wireless technologies are contributing inthe development of states, countries and world in many ways. There is another way in which this growth can be accelerated with the use of the mobile and wireless technologies to provide the health services in remote areas. This paper presents a complete wireless medical system. This paper proposes that how the portable biomedical equipment's and typical telecommunication systems can be integrated to provide mi-Health services in remote areas.

Keywords: mHealth, IOT

51st Engineers Day

15 Sept. 2018









The Institution of Engineers (India) Faridabad Local Centre celebrated its 51st Engineers Day on 15th September 2018 at Hotel Park Plaza, Faridabad. The theme for the event was "Digital Transformation: A new Industrial Revolution". "The theme of this conference Digital Transformation: A new Industrial Revolution means combining the digital activities with strong conviction to use of technology for Digital Transformation".

9th Annual General Meeting

27 Oct 2018



The Institution of Engineers (India) Faridabad Local Centre Annual General Meeting held on 27th October 2018 at TAPDC DLF Industrial Area Faridabad

Membership Drive Activity

17th Nov. 2018





The Institution of Engineers (India), Faridabad Local Centre organized Membership Drive Activity at Manav Rachna International University, Faridabad to increase its membership drive. about 14 members attended the event.

National Energy Conservation Day'

14 th Dec. 2018





The Institution of Engineers (India), Faridabad Local Centre celebrated National Energy Conservation Day on 14th December 2018 at NSIC, Neemka, Faridabad. The theme for Energy Conservation Day was "Energy saved is Future Save".

World Water Day

22 nd March 2019





The Institution of Engineers (India) Faridabad Local Centre celebrated its **World Water Day on 22**nd **March 2019** at Haryana State Productivity Council, Faridabad. The theme for the event was "**Leaving No one behind**". The event was inaugurated by lighting the lamp of knowledge by members present on the dias.

17 th May 2019 World Telecommunication and Information Society Day





The Institution of Engineers (India), Faridabad Local Centre in association with The North Cap University, Gurugram celebrated World Telecommunication and Information Society Day on 17th May 2019 at Seminar Hall, North Cap University.

World Environment Day

5 th June 2019



The Institution of Engineers (India), Faridabad Local Centre celebrated World Environment Day on 5th June 2019 at Aggrafe, Faridabad. A panel discussion was being organized by IE(I) Faridabad Local Centre and the panel members were experts from academia and industry.

One Day Safety Workshop at Manay Rachna 10th August 2019



Institution of Engineers India (IEI) Faridabad Local Center in collaboration with Department of Mechanical Engineering, Electrical Engineering and Computer Science and Engineering, FET, MRIIRS organized one day workshop on Industrial Safety: Accident Prevention on 10th August 2019 at Manav Rachna Premises.

echnical Events

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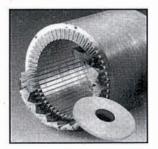
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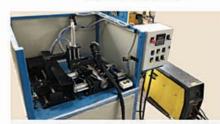
PRESS SHOP



PRESS SHOP

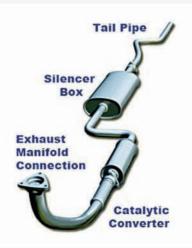
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The Institution of Engineers (India)

FARIDABAD LOCAL CENTRE

The Institution of Engineers (India) is a pioneer body of Professional Engineers encompassing 15 Engineering disciplines, with an overall membership of 8,20,000.. Established in 1920, and incorporated by Royal Charter in 1935, with its headquarters in Kolkata, it functions amongst professional engineering fraternity through 121 State Centres and Local centres across the Country and 6 centres Overseas.

With the inauguration of FARIDABAD LOCAL CENTRE on 25th Nov. 2009, the Engineering Fraternity in Faridabad has an activity centre of its own. Engineering graduates and Practicing Engineers now have service locally available to enroll and upgrade their Membership of the Institution. Examination centre has been established in Faridabad at YMCA UST for students appearing for A.M.I.E. Section "A" exams. The facilities for Lab Experiments are also available for Section – B students at Manay Rachna International University, Faridabad.

IE(I) Faridabad Local covers the engineering fraternity with geographical boundaries districts of Faridabad, Gurgaon, Palwal and Mewat in the state of Haryana. About 1700 Corporate Members and 5000 Students are attached to the centre at this time.

Operating from YMCA University Campus presently, the Centre holds several events annually for creating awareness of social importance like Engineers Day, World Environment Day, Water Resources Day, World Standard day. With different themes every year, these programmes focus on different aspects on issues of Global and local importance to make the world and our city a better place. In addition, technical seminars are also held which provide platform for Engineers and Industry Personnel to exchange innovative ideas in different fields.



On behalf of The Institution of Engineers (India) Faridabad, we place on record & express our deep sense of gratitude for support extended by you all towards 52nd Engineer's Day 2019 Celebrations & making it a grand success.

Our thanks are due to our Advertisers for release of their Advertisements which have glorified our Souvenir.

Thank you All





Our Chief Guest

Mr. V. K. Malik is the Owner of Melco group, which was promoted by Graduate Engineers of DCE way back in 1971. Started as an ancillary to large scale automobile players like Eicher & Escorts in Faridabad wherein components for these companies were manufactured at our works. Later in 1997 one client Desein Indure Group of Industries who were looking for highly specialized type of mechanical equipments with casting for their demand in their Ash Handling Projects which they were dealing in contacted Melco for specialized equipments. As a matter of fact way back in 1975, there were only two major Ash Handling suppliers for thermal power houses. We got first break in manufacturing Ash Handling Plant equipments of specialized metallurgy like Ni-hard & High chrome with 500 BHN (min.) After having gained experience in supply of these specialized equipments for power plants for 4 years, we started Complete Turnkey execution of Ash Handling Projects by adding Design & Engineering wing.

Thereafter Melco has never looked back.

Melco diversified into following activities of Pollution control:-

- 1.) Turnkey execution of Ash Handling & Mill Reject Handling System for Thermal Power Houses.
- 2.) Operation & Maintenance of Ash Handling Systems on yearly AMC basis. 3.) Manufacturing & Supplying of Mining & Stone Crusher spares.

Way back in 2015, one accord namely "Paris climate control accord" was signed by India where nearly 196 countries were also signatory. This accord is to provide clean atmosphere by reducing various emissions levels of various gases like So2, So3, Mercury etc. etc. at power plant's end. At this juncture we started widening our pollution related activities to take in Environment control systems too.

In Jan 2018, Melco signed an accord with US company namely UCC for Dry FGD (DSI) Systems for thermal plants/chemical plants. Breakthrough was made in 2018 itself when NTPC-Dadri shortlisted & placed order for Dadri Unit (2X210MW) which is going to be commissioned in Dec-2019. This is going to be first FGD (DSI) system in India. As of now Melco is fully involved in this activity where hectic consultations are going on with many SEB's.

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