



The Institution of Engineers (India)

U.P. State Centre, Lucknow

IEI NEWS

"A Century of Service to the Nation"



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Chairman Desk



The UP state centre of institution of Engineers India, the premier States centre of the country which celebrated its centenary and is 104 plus year old. It started as a humble begins in 1921 has grown and is the pride of the nation. Many illustrious engineers holding this

post before me, it's a great honour for me to be the chairman of this great institution. We represent 15 engineering branches namely Agriculture, Aerospace, Architecture, Civil, Chemical, Computer, Electrical, Electronics and telecom, Environmental, Material engineering Mechanical, Mining, Marine and Textile engineering. our members have diverse engineering backgrounds with rich experience which adds to its greatness. UP State centre will continue to strive for excellence and prepared to take on new challenges. Wishing everyone a great day

**Er. Satya prakash, FIE
Chairman**

Webinar - 5G and Future Technologies Held on 18/04/2025



The Institution of Engineers, UP State Center organized 'Online' a Technical Talk "5G and Future Technologies" on 18th April, 2025 The Keynote Speaker on the occasion was a leading expert on 5G Technologies he joined from Hyderabad Er. Brahma Reddy, FIE, Member (R&D) 5G Communication Technology Hub Hyderabad. Chairman Er. Satya Prakash Welcomed all the Guest and Speaker Convener Mrs. Dr Neelam Srivastava conducted the webinar. India is undergoing a rapid digital transformation that is reshaping its economy and society. Fast and reliable mobile communication technologies are helping the Government in realizing the objectives of Digital India programme. He pointed out in his lecture that the It is providing a boost to our economy and empowering the citizens through services like unified payment interface (UPI) and several other innovative applications like G2B (Government to Business) and G2C (Government to Citizens). The 5G services was launched in India on 1st October 2022 and the Telecom Service Providers (TSPs) such as Jio, Airtel and Vi are aggressively rolling out the 5G network across the length and breadth of the country. Government has taken several initiatives for building 5G infrastructure and for promoting R&D The Government has come out with the right policy framework for faster adoption and effective utilization of new technologies for the holistic and sustainable development of the economy driven by 5G ecosystem. A large number of Engineers professionals and student joined the webinar. The program ended with the vote of thanks by Er. V P Singh, Honorary Secretary. A large number of engineers from various departments participated in the programme.

National Maritime Day

05th April 2025



Today on **05th April 2025**, a Technical Talk was organized by the Institution of Engineers (India), UP State Center on the topic '**National Maritime Day**' at Engineers Bhawan, River Bank Colony, Lucknow. On this occasion, The Chief Guest of the program, was Er. Gaurav Rohtagi, Chief Engineer, ADNOC Abudhabi, was The crucial role of the maritime industry and the vast ocean that sustains life, trade, and economic growth. This year's theme, "Our Ocean, Our Obligation, Our Opportunity," highlights the collective responsibility to protect marine resources while embracing the vast possibilities they offer. National Maritime Day is a tribute to the maritime industry, seafarers, and all those who contribute to the blue economy. At the beginning of the program, the IP Chairman of the organization, Er. Masarrat Noor Khan welcomed the guests and expressed his views on the subject matter. The convener of the event was Er. Anil Gupta, MIE SCC Member, he told about the subject matter and also introduced the keynote speaker and conducted the program successfully. At the end Er. V.P. Singh, Honorary Secretary proposed the vote of thanks. A large number of Professionals participated in the program.

Holi-Eid & Milan Ceremony



Holi-Eid Milan Ceremony of Institution of Engineers: Er. VB Singh, National President Chief Guest

Holi and Eid milan was organized in Engineers Bhawan, Lucknow under the aegis of Institution of Engineers (India), UP State Centre. In which large number of engineering officers and family members from various parts of Uttar Pradesh and Lucknow participated. The chief guest of the program was National President of Institution of Engineers (India) E VB Singh. In his speech, the chief guest highlighted the importance of the holy festivals of Holi and Eid. He described Holi and Eid as symbols of mutual brotherhood, national unity and love. At the beginning of the program were Provincial Chairman of Institution of Engineers (India), UP State Center Er. Satya Prakash, former MD UP Rajkiya Nirman Nigam and Head of Department PWD (Retired) while welcoming the chief guest and all the visitors, extended his heartfelt greetings on Holi and Eid and prayed for the progress of the country.

A colourful programme was presented in the Holi and Eid Milan function by retired E-in-C E Sanjay Shrivastava of PWD, former Chief Engineer PWD Parvez Ahmed, Er. SM Garg, Joint MD UP State Construction Corporation and Er. D K Shrivastava, Member IEI Swaranjali. The program was successfully conducted by Er. Masarrat Noor Khan, IP Chairman and Council Member and former MD UP State Bridge Corporation. Er. VP Singh, Honorary Secretary, UP State Center and Chief Engineer Marine thanked the chief guest and all the visitors wholeheartedly. In the end all the visitors enjoyed delicious food.

Technical Talk - Indian Space Program and Its Future

Held on 09th May, 2025



The Institution of Engineers, UP State Center organized a Technical Talk “**Indian Space Program and Its Future**” on **09th May, 2025** at the Engineers’ Bhawan, River Bank Colony, Lucknow. On this occasion, The Chief Guest of the program, was Er. S K Pandey, a Senior Scientist from,ISTRAC/ISRO and Fellow of the Institution of Engineers (India),The Indian Space Research Organisation (ISRO) today reaffirmed its commitment to advancing the nation’s position as a global space power with an ambitious roadmap of upcoming missions, new technologies, and international collaborations. India's space program has seen remarkable progress in recent years, highlighted by the success of Chandrayaan-3, the Aditya-L1 solar observatory, and the continued operational excellence of satellites in communication, navigation, Earth observation, and disaster management. Space Station by 2035: India aims to develop and operate its own space station by 2035, supporting long-duration research in microgravity.“India is poised to be a leader in space technology and exploration. With the collective support of our scientists, industry, academia, and international partners, we are shaping a future where space benefits every citizen and contributes to global progress.” The Indian space program remains committed to peaceful, inclusive, and sustainable exploration of space for the benefit of all humanity. At the beginning of the program, the Past Chairman of the organization, Professor Dr. Bharat Raj Singh, Director General, School of Management Science – **Technical Campus**, at the end Er. V.P. Singh, Honorary Secretary proposed the vote of thanks. A large number of Professionals participated in the program.

World Telecommunication and Information Society Day (WTISD)

Held on 17/05/2025



The Institution of Engineers, UP State Centre organized an event to bring the world together to celebrate World Telecommunication and Information Society Day (WTISD) under the theme Gender Equality in Digital Transformation on May 17, 2025 at Engineers Bhawan, River Bank Colony, Lucknow. The keynote speakers on this occasion were Ms. Jaspreet Kaur and Ms. Pallavi Pant, leading experts on the subject. The average participation of women in India in the digital age can be considered to be around 30% to 40%. Although this number is increasing rapidly, the participation of women in digital technology is still less than that of men. The International Telecommunication Union (ITU) and partners around the world emphasize that digital transformation must be inclusive, equitable and empowering for all. Around 39% of women use the internet in India, This number is lesser than men (men are around 61%), Around 35% to 45% of women are digitally literate in rural and urban areas combined, this number is slowly increasing with government schemes like Pradhan Mantri Digital Saksharta Abhiyan (PMDISHA), The percentage of women in India who own mobile phones is around 20% to 25% less than men, Women’s participation in online freelancing, online business from home, and social media marketing is around 20% to 30%. Details of the Sessions: At the beginning of the program, the Past Chairman of the organization, Professor Dr. Bharat Raj Singh,

Technical Lecture - “Driverless Metro Train Operation”

31 May 2025



The Institution of Engineers (India) UP State Centre, Lucknow Organized a Technical lecture on “**Driverless Metro Train Operation**” on **31 May 2025** at Engineer’s Bhawan, River Bank Colony Lucknow.

Details of the Sessions:-The Chief Guest of this program was Mr. Mashahoor Alam, retired Principal Chief Signal & Telecom Engineer, South Central Railway, said that, the Driverless Metro Train Operation has started in India and presently in operation in Bengaluru (Namma Metro between RV Road and Bommasandra-18 Km) and Delhi on Magenta (Janakpuri West to Botanical Garden-December 2020) and Pink line (Majlis Park to Shiv Vihar-November 2021).

Extract of Welcome address by Host Centre:-At the beginning of the program, the IP Chairman & Council Member of the organization, Er. Masarrat Noor Khan, FIE SCC Lucknow, welcomed the guests and expressed his views on the subject matter. The convener of the event was Er. S K Vema, FIE SCC Member, told about the subject matter and conducted the program successfully. On this occasion, Er. Vinod Saxena, FIE SCC & Council Member, Er. K P Tripathi, FIE SCC Member, Er. N C Mittal, SCC, Member, Er. Dr. Jaswant Singh, FIE SCC, Member, Er. G M Pandey, FIE Member, Er. Jamal Nusrat, Member, etc. were present.

Extract of Vote of thanks by Honorary Secretary:-At the end Er. Vijay Pratap Singh, Honorary Secretary proposed the vote of thanks. A large number of Professionals participated in the program.

World Environment day

Held on 05/06/2025



The Institution of Engineers (India) UP State Centre, Lucknow Organized “**World Environment Day**” on **5 June 2025** at Engineers Bhawan, River Bank Colony Lucknow. On this occasion To The Keynote Speaker of this program was Mr. Pradeep Kumar, Assistant Professor Chemical Engineering Department, Associate Dean PG IET, This year’s theme is “**BEAT PLASTIC POLLUTION**” , which draws attention to the growing problem of plastic waste globally and calls for collective efforts to address it. Details of the Sessions:- The purpose of World Environment Day is to spread awareness among people about environmental protection and make the earth a clean, green and sustainable planet. Plastic pollution has today become a serious threat to our environment, oceans, rivers, wildlife and human health. At the end Er. Vijay Pratap Singh, Honorary Secretary proposed the vote of thanks. A large number of Professionals participated in the program.

Technical Talk - Understanding Rocket Propulsion

Held on 13th June, 2025



The Institution of Engineers (India) UP State Centre, Lucknow organized a technical talk on “Understanding Rocket Propulsion” on 13th June 2025 at Engineers’ Bhawan, IEI, River Bank Colony, Lucknow. The keynote speaker of this program was Er. Vinod Saxena, FIE, retired Addl. General Manager, HAL, Lucknow Division.

Details of the Sessions:- The curiosity about rocket propulsion systems has recently increased in the general public, especially after the superb performance of Indian missiles in Operation Sindoor. ‘What is the power source of these rockets and missiles, how the power is extracted and regulated, what is the nature of rocket fuels, etc.’ is the program was Mr. Pradeep Kumar, Assistant Professor Chemical Engineering Department, Associate Dean PG IET, This year’s theme is “BEAT PLASTIC POLLUTION” , which draws attention to the growing problem of plastic waste globally and calls for collective efforts to address it. Details of the Sessions:- The purpose of World Environment Day is to spread awareness among people about environmental protection and make the earth a clean, green and sustainable planet. Plastic pollution has today become a serious threat to our environment, oceans, rivers, wildlife and human health. question in everyone’s mind today. Newtons 3rd Law is basis of Rocket Propulsion which State for every Action there is an Equal & Opposite Reaction. Er. Vinod Saxena explained the basic principles of the functioning of rockets. He then went ahead to explain different propulsion systems used in rockets and missiles, the uses and limitations of solid and liquid fuels (called propellants), the engineering complicity involved,

and the importance of the staging of rockets. He also touched upon how different fuels (propellants) are classified and what were the propellants used in famous rockets around the world.

Extract of Welcome address by, Host Centre:- At the beginning of the program, the IP Chairman & Council Member of IEI, UP SCC Lucknow, Prof. (Dr.) Bharat Raj Singh, FIE, welcomed the guests and expressed his views on the subject matter. The convener of the event Er. VP Singh, Hon. Secretary IEI, UPSCC, introduced the subject matter and conducted the program successfully. On this occasion, Er. S C Yadav, Er. N K Nishad, FIE SCC Member, Er. A K Jouhari, Er. G M Pandey, Er. Jamal Nusrat, Er. JML Jaiswal, Er. Mahesh Kumar Gupta, Er. L G P Singh, Er. Ram Prakash Katiyar, etc. were present. A large number of Professionals participated in the program.

Extract of Vote of Thanks by Honorary Secretary, Host Centre:- At the end, Er. Vijay Pratap Singh, Honorary Secretary proposed the vote of thanks.

Technical Talk - Insurance for Engineers Power Plants and Industry-

Held on 21/06/2025



The Institution of Engineers (India) UP State Centre, Lucknow organized a Technical Talk on “Insurance for Engineers Power Plants and Industry” on 21st June 2025 at Engineers Bhawan, IEI, River Bank Colony, Lucknow.

Details of the Sessions:- The chief speaker of this program was Mr. Hemant Johri, Insurance Consultant, Ex-REGL Manager, Oriental Insurance Company, Lucknow Division. He said that a special insurance scheme has been launched today with the aim of ensuring the safety of engineers working in the field of industrial development and power generation in the country. This scheme has been prepared under the guidance of the Insurance Regulatory and Development Authority of India (IRDAI) and with the participation of major public and private insurance companies.

This scheme is specially designed for engineers and technical staff working in power plants, construction sites, heavy machinery operations and industrial plants. It covers important aspects such as personal accident insurance, health insurance, professional liability, and equipment damage. The Ministry of Power and the Ministry of Heavy Industries have lauded the initiative, calling it a decisive step in line with the vision of “Developed India 2047”. This scheme will not only enhance the safety of engineers but will also strengthen risk management in industrial projects. Mr. Hemant Raj Johri was ably assisted by Er. Sushil Kumar Yadav, presently posted as Manager in the Technical Dept. at Regional Office, Lucknow of The Oriental Insurance Company Limited. On this occasion Engr. L.G.P Singh, gave a lecture on International Yoga Day and made people aware about yoga.



Extract of Welcome address by, Host Centre:- At the beginning of the program, the IP Chairman, Council Member of IEI, UP SCC Lucknow, Er. Masarrat Noor Khan, FIE, welcomed the guests and expressed his views on the subject matter. The Coordinator of the program Engr. JB Singh FIE Member, introduced the keynote speaker and conducted the program successfully. Extract of Vote of Thanks by Honorary Secretary, Host Centre:- In the end Engr. Vijay Pratap Singh, Honorary Secretary gave the vote of thanks. A large number of professionals participated in the program.



UPCOMING EVENTS

1. **“Hydroponics: the art of growing crops without soil”** to be held on 05th July, 2025.
2. **Independence Day Celebration** to be held on 15th August, 2025.
3. **37th NATIONAL CONVENTION of AGRICULTURAL ENGINEERS & All India Seminar** to be held on 29TH & 30TH Aug, 2025.
4. **ROYAL CHARTER DAY** to be held on 9TH Sep., 2025.
5. **ENGINEERS' DAY** to be held on 15TH Sep., 2025.
6. **WORLD HABITAT DAY** to be held on 6TH Oct., 2025.
7. **WORLD STANDARD DAY** to be held on 14TH Oct., 2025.
8. **ENERGY CONSERVATION DAY** to be held on 14th Dec., 2025.

40TH INDIAN ENGINEERING CONGRESS



December 19-21, 2025
Durgapur

Theme:
**Innovative
Engineering
Solutions
for Viksit
Bharat @ 2047**

Organised by

The Institution of Engineers (India)

Hosted by

Durgapur Local Centre

Knowledge Partner



National Institute of Technology Durgapur

Venue

**National Institute of Technology Durgapur
Mahatma Gandhi Avenue, Durgapur**