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The Institution of Engineers (India)

U.P. State Centre

IEI NEWS "102nd Years of Relentless Journey Towards Engineering Advancement for National Building"

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From Chairman's Desk



My dear fellow colleagues,

As we step into 2023, I extend my sincere wishes on my behalf and on behalf of the UP State Centre to you and your love ones for joyful contended and exciting New Year. A new year is always an opportunity for a new beginning and new energy to realize over Institutional and individual goals.

Today India has taken a pride of Place in the New Emerging World order. With its most potent human Resource Pool, Technology and its driven economic health, India is most promising destination for technological innovations. India aspires to be the Global leader in the innovative cutting EDGE technology, Research and Development . I hope the Institution of Engineers (India) will be a part of it and will contribute significantly to the building of nation.

I feel pleasure & honoured in expressing my gratitude to the members of UP State Centres, IEI for having confidence and reposed faith on me and giving me full support in discharging my duties as Chairman UP State Centre. I assure you that with all your cooperation and help I will continue to play an active role in the overall development of the Institution with full dignity, dedication and decency.

I look forward to get support from all members in organising Technical activities and also appeal young Engineers to become members of the Institution and make a difference.

Again, Thanking you very much.

With Best Wishes.

with personal wishes
Masarrat Noor Khan
Chairman

Forthcoming Events

1. **One Day Seminar** on SPEEDS on Dec. 2022/Jan2023
2. **UP State Centre 'Centenary Function'** on Dec. 2022/ Jan.2023
3. **All India Seminar** on "Impact of Waste Water on the Environment & its efficient Management 18th & 19th March, 2023.

101st Annual General Meeting



The 101st Annual General Meeting of the Institution of Engineers (India), UP State Centre was held on 31st October 2021 at Engineers Bhawan, River Bank Colony, Lucknow. The meeting was conducted by Er R. K. Trivedi, FIE, Chairman & Er Prabhat Kiran Chaurasia, FIE, Hony. Secretary.

DIWALI MILAN -2021



Chief Guest Lightning The Lamp

Under the aegis of Institution of Engineers (India) UP State Centre, Lucknow **"Deepawali Milan"** was organized on 14th November 2021 in office premises, Engineers Bhawan, River Bank Colony, Lucknow. The inauguration of the said Deepawali milan was done by the chief guest **Er Masood Hussain,** former Chairman, Central Water Commission and currently the chairman of the panel for DAM SAFETY formed by the government of Uttar Pradesh and Chhattisgarh. Er Manoj Gupta, Engineer-in-Chief, P.W.D., Er Satya Prakash Managing Director, Rajkiya Nirman Nigam, Lucknow, Er P. K. Saxena, Engineer-in-Chief, (Retd), P.W.D., Er V. K. Srivastava, Chief Engineer P.W.D., Er S. K. Verma, Managing Director, Power Corporation, (Retd), Er. Pervez Ahmad, SE, PWD, Er V. B. Singh, Council Member, I.E.I.,



Er R. K. Trivedi, FIE, Former Chairman, I.E.I., U.P. State Centre and Er A. S. Kapoor, FIE, Former Chairman, I.E.I., UP State Centre along with many members & their families with Er. Pervez. A culture programme was also presented by Er. DK Srivastava, FIE & Swaranjali. At the end of the function, vote of thanks was given by Dr. Jaswant Singh, FIE, Honorary Secretary, Institution of Engineers (India), UP State Centre.

Energy Conservation Day celebration



Chief Guest Dr. RC Goyal lighting the Lamp in presence of Er Masarrat Noor Khan Chairman, Dr Jaswant singh Honorary Secretary UPSC and Er. S.K. Verma Former MD, DVVNL Agra Discom (UPPCL) & Member UPSC and convener

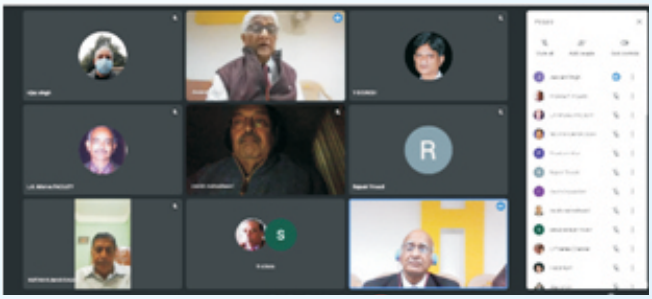
The Institution of Engineers (India), UP State Centre, Lucknow celebrated ***'Energy Conservation Day'*** on 14th December 2021. On this occasion Dr. RC Goyal, Former Head and Principal, MMM Engineering College (now MMM Tech University), Gorakhpur & present Advisor General to Dehradun Institution of Technology (DIT) was the Keynote Speaker & Chief Guest.

Republic Day



The 73rd **"Republic Day"** was organized by The Institution of Engineers (India) U.P. State Center, Lucknow at Engineers' Bhawan, in which the flag was hoisted by the State Chairman of the Institution of Engineers, Er. Masarrat Noor Khan, Honorary Secretary Dr. Jaswant Singh, Council Member Er. V.B. Singh and Immediate Past Chairman Er R.K. Trivedi Er. Satya Prakash ,MD, UP Rajkiya Nirman Nigam.

"Technical Talk on Innovative Approaches for Agri-production Engineering, Entrepreneurship and Value addition"



The Institution of Engineers (India) UP State Centre, Lucknow organized an online technical talk on, ***"Innovative Approaches for Agri-production Engineering, Entrepreneurship and Value Addition"*** on February 17, 2022 through google meet. On the occasion Dr Bangali Baboo, FIE & Former National Director (NIAP-World Bank), ICAR, New Delhi was the Chief Guest and Keynote Speaker. He mentioned about three pronged approaches to promote agri innovations. i.e. **(i)** capturing grass-root innovations by analysing their techno-economic viability, **(ii)** upscaling solutions of identified problems after proper analysis and recognition, and **(iii)** institutions to follow the combined approaches including their own inputs.

Felicitation Ceremony



Chief Guest Er DS Mishra IAS & Chief Secretary Govt. of UP Lighting the Lamp



Er Masarrat Noor Khan, Chairman, IEIUPSC addressing the audience



(L to R) Er. Uma kant Singh, Addl.MD, UP Rajkiya Nirman Nigam, Er. Satya Prakash,MD, UP Rajkiya Nirman Nigam, Dr jaswant Singh, Hony. Secretary, UPSC, Prof. B R Singh, DG(T), SMS, Er. Masarrat Noor Khan, Chairman, UPSC,Dr. Hemant O Thakare, President, IEI, Er. D.S. Mishra, IAS, Chief Secretary, Govt. of UP, Er. Anurag Shrivastava, IAS, Principal Secretary, Govt. of UP, Er. J.S. Mishra, SCC member, Er.R.K.Trivedi,I.P. Chairman, UPSC

The Institution of Engineers (India), UP State Centre, Lucknow organized a felicitation function on 27.02.2022 to honor its **National President Dr. Hemant Omkarrao Thakare**. On this occasion the Chief Guest was **Er. Durga Shankar Mishra, Chief Secretary, Government of Uttar Pradesh** who in his address called upon the engineers to engage themselves in nation building. He advised the engineers to adopt latest technologies so that quality work may be done at the minimum cost. The National President of the Institution of Engineers (India), **Dr. Hemant O. Thakare** , while expressing his views, said that the Institution of Engineers is an 101 year old professional body which was granted Royal Charter in 1935 and since its formation this institution has contributed immensely in nation building. He assured the Chief Secretary that IEI would extend all cooperation to the government in development of the state. **Dr. Hemant O. Thakare** was warmly felicitated in the ceremony. **Er. Durga Shanker Mishra, Chief Secretary Govt of UP, Er. Anurag Srivastava, Principal Secretary Govt of UP & Er. VB Singh, National Vice President, IEI** were also warmly felicitated. On this occasion Er. Anurag Srivastava and Er. VB Singh also addressed the gathering. In the beginning of the programme, Er. Masarrat Noor Khan, Chairman, IEI, UP State Centre welcomed the guests and threw light on the activities of the Institution in detail. He nicely conducted the programme. Over 150 senior engineers were present in the function including Former Chairmen Er. R.K. Trivedi and Dr. Er Bharat Raj Singh, Er. Satya Prakash, MD, UPRNNL and Er.SK Verma, Ex-MD, UPPCL. In the end Dr Er Jaswant Singh, Honorary Secretary proposed vote of thanks.

'World Engineering Day'



Chief Guest Lighting the Lamp

The **'World Engineering Day for Sustainable Development'** was organized at the Institution of Engineers (India), UP State Centre, Lucknow on 4th March 2022. On the occasion Chief Guest was Prof. Er DV Mahindru, Professor, Shri Ram Swaroop Engineering College, Lucknow. He mentioned that climate change is a burning problem the world has been facing and India is no exception. About 45 kg of waste per capita per annum is generated in India every year which is seen as an opportunity and used as a resource. In the beginning of the programme Mr. RK Trivedi, Immediate Past Chairman of the UP State Centre of IEI welcomed all the guests. National Vice President of IEI Er. VB Singh, FIE also presented his views. Programme ended with the vote of thanks by Dr. Jaswant Singh,FIE, Honorary Secretary, IEI UP State Centre, Lucknow.

IEI Technical Webinar: Micro-irrigation - A potential input for enhancing farmers' income

There were two panellists who delivered their webinar on above topic. **1st Panellist** Dr TBS Rajput Adjunct Professor, ICAR-IARI, Pusa, New Delhi as well as Professor Jai Shankar Telangana SAU, Hyderabad and a Visiting Professor, AIT, Bangkok and Ex Project Director, Water Technology Centre at ICAR-IARI mentioned that green revolution in early seventies of last century made India not only a self-sufficient nation in food grains but also enabled it to export to other countries. But soon after, realization started that for maximizing food grain production the country has over stressed its' natural resources of soil and water and new thought process of sustainability of use of natural resources started. **2nd Panellist** Dr Rajendra Gupta, Principal Scientist (SWC), ICAR-IISR, Lucknow in his talk emphasized that water is a scarce and precious resource and India supports 17% of the world human population with mere 2.4% of world land area and 4% of world's freshwater resources. By the year 2050, there will be about 29 % deficit in availability of fresh water.

In the end moderator Dr Jaswant Singh Honorary Secretary, UPState Centre,Lucknow while summarising the webinar mentioned that water is a critical natural resource required for all aspects of life and for sustainability of economy, society and environment.

Webinar ended with vote of thanks by Honorary Secretary & Convener Dr Jaswant Singh to the President, IEI Dr H O Thakare, National VP & Council Member Er VB Singh, Secretary & Director General, IEI, **Maj Gen Mohan Jeet Singh Syali,** VSM (Retd), Chairman UPSC Er Masarrat Noor Khan, I.P. Chairman Er RK Trivedi, the learned panelists Dr TBS Rajput & Dr Rajendra Gupta & Director Technical & IEI Technical Executive Er Aparna Dutta, and the participants.

Holi Milan held on 20/3/2022



A scene of cultural programme



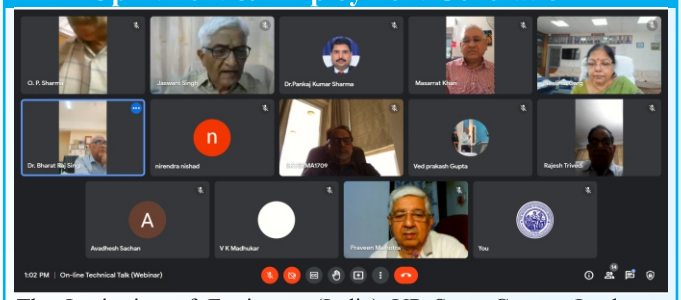
Er VB Singh, Vice President,IEI lighting the lamp

World Water Day-2022



Webinar on "World Water Day" (Theme: Ground Water; making the invisible visible) was organized on 22.03.2022 by The Institution of Engineers (India), Uttar Pradesh State Centre, Lucknow. The webinar was chaired by Er Masarrat Noor Khan, FIE, Chairman of the IEI UPSC. Dr Alok K. Sikka, IWMI Representative-India, International Water Management Institute, Delhi Office, former Deputy Director General (Natural Resource Management), Indian Council of Agricultural Research (ICAR), New Delhi former Technical Expert (Watershed Development) (in the rank of Additional Secretary to Govt. of India), National Rainfed Area Authority (NRAA), Planning Commission, Government of India, New Delhi; former Director of ICAR - Research Complex for Eastern Region, Patna; and former Basin Coordinator for Indo-Gangetic Basin under the CGIAR Challenge Program on Water and Food from 2002-2007, was Chief Guest and Keynote speaker. Er K.P. Tripathi, FIE and Convener initiated the proceedings with the formal welcome of the participants. Er Masarrat Noor Khan, FIE the Chairman UPSC, Lko welcomed the participants and the Chief Guest.

Technical Talk on "Bioprocessing of Fruits & Vegetables for Nutritional Security, Livelihood Upliftment & Employment Generation"



The Institution of Engineers (India) UP State Centre, Lucknow organized an online technical talk on "Bioprocessing of Fruits & Vegetables for Nutritional Security, Livelihood Upliftment & Employment Generation " on May 11, 2022 through google meet. On the occasion Dr Neelima Garg, Acting Director, ICAR-CISH, Lucknow was the Chief Guest and Keynote Speaker on the above topic. Dr. Garg emphasized that India is the second largest producer of fruits and vegetables accounting for **97358 thousand MT** and **184394 thousand MT** respectively (Horticulture Statistics at a Glance 2017-18). Uttar Pradesh contributes around **10.8** percent (10539.8 thousand MT) and 15.4 per cent (28316.4 thousand MT) of fruits and vegetables production, respectively. Mango, guava, anola and bael are the main fruit crops of the state. Area under mango production in the state has increased from 261.4 thousand Ha in 2006-07 to 265.6 thousand Ha in 2017-18 with a concomitant increase in production from 2980.5 thousand MT to 4551.8 thousand MT. Similarly; The area under guava cultivation has increased form 14 thousand ha in 2006-07 to 49.5 thousand ha in 2017-18 with a production increase of from 165 thousand MT (2006-07) to 928.4 thousand MT (2017-18). The contribution of state in National production of these two horticultural crops, i.e., mango and guava, is 20.8 and 22.9 per cent, respectively. Apart from these two crops aonla, bael, papaya and banana are also grown in substantial area. U.P. is bestowed with choicest mango varieties like Dashehari, Chausa, Langra and Rataul. etc. The export of mango and guava from the country during 2017-18 was 49180.46 MT (Rs. 38234.02 lakh) and 1229.75 MT (Rs.553.26 lakh) respectively. The export of mango pulp has changed from 166752.19 MT (Rs. 50968.55 lakh) in 2007-08 to 110923.72 MT (Rs. 67392.14 lakh) in 2017-18 (APEDA, 2018). Earlier in the beginning Er Masarrat Noor Khan, Chairman welcomed the Chief Guest and Keynote speaker, and all the participants. Dr Jaswant Singh FIE & Honorary Secretary introduced the Chief Guest & Key note Speaker, the topic and requested him to deliver the talk. The programme ended with encouraging remarks and vote of thanks by Dr Jaswant Singh, Honorary Secretary & the Convener.

'World Telecommunication & Information Society Day-2022'



The Institution of Engineers (India), UP State Centre celebrated the World Telecommunication & Information Society Day on the theme "Digital technologies for older persons and healthy ageing" on 17/05/2022. On this occasion, Prof. Neelam Srivastava, Head of the Department of Electronics and Communication Engineering, Institution of Engineering & Technology, Lucknow (Information & Communication Technologies), Lucknow was the Chief Guest. She highlighted the important role of I.C.T. in the care of our senior citizens.

She told that in today's changing environment, when elderly people live alone in most of the houses, smart homes, speech assistants apps, based on artificial intelligence and other subject experts, doctors can easily help people staying at home and can monitor the patients without disturbing them. Training games for dementia patients can also be developed online and can be easily done at home by the care takers of the patients. The role of a robot can also be important for the physical assistance to the elderly, which can help in various physiotherapy exercises by training with AI (Artificial Intelligence). Healthy seniors can also stay connected with the society through social media along with their income by doing technical training.

In the beginning of the program, Er. Masarrat Noor Khan, FIE, Chairman, IEI, UP State Centre, Lucknow welcomed all the guests. On this occasion Er. V.B. Singh, FIE, Vice President and National Council Member, IEI, Er. RK Trivedi, FIE, Past Chairman and a large numbers of audience were present. Er. JS Mishra, FIE, SCC Member, Convener conducted the program efficiently. In the end Er. Satya Prakash, Managing Director, Rajkiya Nirman Nigam Ltd., proposed Vote of Thanks to the members.

'World Environment Day-2022'



"World Environment Day" was organized by the Institution of Engineers (India), UP State Centre at Engineers Bhawan, River Bank Colony, Lucknow on June 5, 2022. This year's theme was **"Only One Earth"**. World Environment Day is being celebrated every year continuously since 1974 all over the world. In view of the theme **"Only One Earth"** proposed by the UN, special emphasis was given on 3R Reduce, Reuse and Recycle while discussing various issues related to environment such as population, marine pollution, global warming, plastic pollution&various extinct species.

Prof.(Dr.) Devendra Swaroop Bhargava, Former Professor of IITKanpur, IIT Roorkee, NIT Allahabad, AIT-(Bangkok) and Environmental Advisor to Central Pollution Board, Delhi and Government of Uttar Pradesh for Ardh Kumbh and author of 500 research papers with 32 awards was the Chief Guest on this occasion. He stressed that this day focuses on living permanently in harmony with nature.

With the revolutionary changes in our policies and choices towards a clean and green lifestyle including ecology, water, food, culture, etc. The food, we currently get is recycled with all the added synthetic chemical preservatives that give rise to the organ-trading business. Farming with uncontrolled synthetic chemical fertilizers/pesticides, the curse of the "Green-Revolution" polluted the waters apart from eutrophication, causing the lakes to disappear.

Chief Secretary, Government of Uttar Pradesh, Er. Durga Shankar Mishra, FIE in his speech at SMS Institute day before, had advised not to use plastic wrappers and other related items to save the environment. In today's program, instead of plastic water bottles, ***EARTHEN SURAHI*** were kept for drinking water, which all appreciated this initiative of the Institution of Engineers(India), UP State Centre, Lucknow. Plantation work was also done on the occasion of World Environment Day.

In the beginning of the programme, Er. Masarrat Noor Khan, FIE, Chairman, IEI, UP State Centre welcomed all the guests. On this occasion Er.V.B. Singh, FIE, National Vice President, Er. R.K. Trivedi, FIE, Past Chairman and a large numbers audience were present. Er. Ahmed Hussain, FIE Convener conducted the programmethe successfully. In the end Dr. Jaswant Singh, FIE, Honorary Secretary, IEI thanked the Chief Guest & all the respected audience for attending the event.



'Independence Day-2022'



"All India Workshop on 'Fire & Flood Induced Disaster Mitigation"



All India Workshop on Fire and Flood Induced Disaster Mitigation was organized by The Institution of Engineers (India) UP State Centre under the aegis of Civil Engineering Division Board, IEI at Engineers' Bhavan, River Bank Colony, Lucknow on August 27-28, 2022.

The workshop was inaugurated by the **Chief Guest Lieutenant General Shri RP Sahi, Vice Chairperson,** Uttar Pradesh Disaster Management Authority. Speaking on the occasion the Chief Guest advised that public should be aware of the disaster and always be ready to deal with it. Along with this, the concerned departments should keep human resources and materials ready to start the relief and rescue operations immediately, so that the situation can be normalized at the earliest. On this occasion, the keynote speaker Prof. MZ Khan, former Vice Chancellor of HBTU, Kanpur emphasized on adopting best engineering and management techniques for disaster mitigation so that life and property can be completely protected. He also discussed the importance of response time and said that it should be minimum so that there is minimum loss of life and property. He further said that flood can be predicted but no one can predict about fire. Therefore, we should make maximum use of fire-retardant material as far as possible in building construction.

National Vice President of Institution of Engineers (India) Shri VB Singh said that people should be prepared to deal with disaster and live with it. At the same time, he said that only 42 meters high ladders are available for firefighting in Lucknow, whereas buildings have become much higher than this, so it is necessary that at least 72 meters high fire ladders should be arranged here on priority.

The Guest of honor **Brigadier Pramod Kumar Singh,** Advisor, Uttar Pradesh State Disaster Management Authority presented the practical side of the floods in Uttar Pradesh. He elaborated on disaster risk management and stated that the world is migrating towards DRR (Disaster Risk Reduction) from the conventional response centric approach to disasters and so is the National Policy and Plans. Investment on capacity building and other. The information provided by the IMD / Remote sensing needs to be translated to be executable at ground level. Prior to all these in the beginning Chairman, The IE(I) UP State Centre Er Masarrat Noor Khan Former Chief Engineer PWD & Ex MD Bridge Corporation. welcomed all the guests and threw light on the objectives and achievements of the Institution of Engineers, a 101-year-old technical institution. Shri RK Trivedi, Convener & Immediate Past Chairman The IE(I) UP State Centre threw light on the purpose of the workshop and gave information about the research papers to be presented by the invited speakers. On this occasion, the Chief Guest also released workshop proceedings (a collection of research papers). The inaugural program ended with the vote of thanks by Dr. Jaswant Singh., Honorary Secretary, The IE(I) UP State Centre Lucknow.

In this two days workshop more than 150 members / Engineers / Experts / Academicians of Technical Institutions from state & out side from state participated, which also include Dr I. Satyanarayana Raju FIE, from Hyderabad, Mr. RC Sharma FIE, Former Director, Delhi Fire Service, Former D.I.G.(Fire) C.I.S.F., Mr Qazi Meraj Ahamad Chief Engineer, Northern Railways, Delhi, Mr. K P Tripathi FIE, Former Principal Scientist ICAR, Prof D S Ray, FIE , Mr Ashwani Kumar Pandey, Ms Falak Rahman, Mr. Mohd. Bilal Khan of IET, Lucknow, Ms. Pallavi Singh & Mr. Mukesh Kr. Singh, SCC Member.

'Royal Charter Day'



Royal Charter Day was organized by The Institution of Engineers (India) UP State Center on 09.09.2022. On this day in the year 1935, the institution was granted a Royal Charter by the then British Government. It is the only technical institution in the country to receive this honour. The Chief Guest and Keynote Speaker was Shri AK Singh Sengar, Chief Engineer (Retd.) UP Irrigation Department and Member (Engg) L.D.A. In his address the Chief Guest highlighted on the grant of Royal Charter and its benefits to the organization.The National Vice President of the institution of Engineers (India) Shri V.B. Singh also explained in detail about the Royal Charter of the Institution and informed that this Royal Charter is valid even today. Shri Masarrat Noor Khan, Chairman of the IE(I), UP State Center welcomed all the guests and apprised that after the First World War, on the report of the committee constituted under the chairmanship of Sir Thomas Holland, the then British Government established the Institution of Engineers (India) in the year 1920. Former Chairman Shri RK Trivedi was also present along with large number of participants on this occasion. Shri SC Mehra, Convener conducted the program efficiently.The program ended with the vote of thanks by Dr. Jaswant Singh, Honorary Secretary, UPSC.

One Day Seminar on ''Developing Aerospace Manufacturing Industry in UP''



IEI U.P. State Centre organized a one-day seminar on **'Developing Aerospace Manufacturing Industry in UP'** on 11TH Sept 2022 at Engineers Bhavan, River Bank Colony, Lucknow. The seminar aimed to provide a forum for the industry heads to interact with the regulators/ eminent persons in the industry to understand each other's views/requirements for the smooth growth of the aerospace manufacturing industry in Uttar Pradesh. The seminar was attended by members of various organizations, industries, and institutions who are connected and involved in Aerospace activities. Er. Vinod Saxena FIE,Member ,UPSC IEI was the Convener of the event.

The seminar was inaugurated by **Shri Arvind Kumar, IAS, Industrial Development Commissioner, and Addl.Chief Secretary to the Government of Uttar Pradesh & Chief Guest** of the seminar. He expanded the scope of his talk to include the UP Government policies and initiatives to attract the whole defense sector manufacturing industry. He especially talked about coming up of the Brahmos missile manufacturing plant at Lucknow, the development of drones by IIT Kanpur, plans for MROs, DRDOs Defense Technology and Test Center at Lucknow, Adani Defense plant at Kanpur, and the creation of R&D ecosystem in UP.

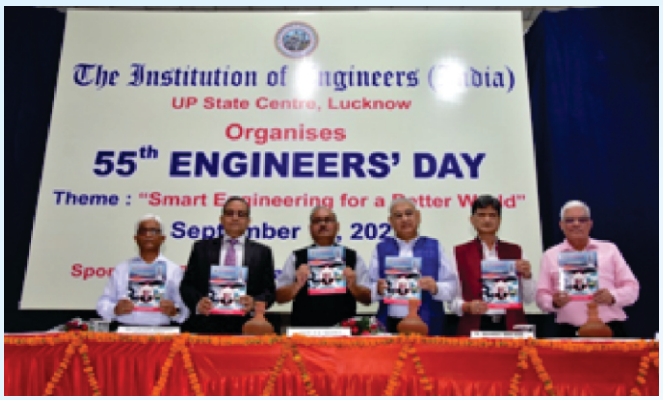
The Keynote address was delivered by Shri C Venugopal, General Manager (Design), HAL Lucknow. He talked about various present and future projects at HAL. He also talked about the systems and accessories used on the aircraft which form the major activity in terms of long terms generating requirements for spares, materials, and consumables for maintenance, repair, and overhaul.

Shri Sachin Agarwal, Managing Director, PTC Industries, Lucknow, Shri Ravi Prakash, Chief of Planning, HAL Lucknow, Shri Anil Singh AGM(Planning) Transport Division – HAL Kanpur, Shri Krishna Kunal, Chief Manager (Indigenization) Accessories Division – HAL Korwa, Shri Vinod Kumar, Regional Director, RCMA –Lucknow & Shri Shahbaj Ulum, Sc. G (Retd), RCMA Lucknow. In the end Dr. Jaswant Singh, FIE, Honorary Secretary, IEI UP State Centre thanked all the guests & respected audience .

'Gandhi Jayanti Celebrations'



'Engineers' Day'



The Institution of Engineers (India), Uttar Pradesh Center celebrated the 162nd birthday of the country's greatest engineer, Bharat Ratna Sir Mokshagundam Visvesvaraya, on 15th September 2022 as Engineer's Day at the Engineers Bhawan, River Bank Colony, Lucknow. On this occasion, eminent educationist and Vice Chancellor of "Abdul Kalam Technical University (AKTU) Lucknow" **Dr. PK Mishra was the** chief guest. He mentioned in his address that engineers play important role in the development of any nation. He said that India produces maximum engineers in the world every year who have done wonders in the field of technology and with their hard work they have not only made our head high in the country but also in the western countries. The National Vice President of the IE(I) **Shri V.B. Singh** in his inspiring address on the occasion applauded about the role of engineers in the nation building. He emphasized that engineers must focus more on their communication skills, problem solving ability and willingness to learn latest developments to be much better prepared for the future's challenges. Engineers must play still more important role for achieving the important goal of our Hon'ble Prime Minister to take the country's economy to 5 trillion dollars. Shri Singh mentioned in his address that in the year 1893 Swami Vivekananda, when returned to Kolkata after achieving unprecedented success in the World Conference of Religions in Chicago, the public gave him a grand welcome. Witnessing this great welcome, his younger brother Sadananda said,"Brother,I also want to become a Sanyasi". On this, Swami Vivekananda said, "No, you become an engineer as the country needs development and only engineers can do this work". This incident shows the importance of engineers. Souvenir containing articles contributed by eminent educationists, scientists and engineers was released by the chief guest. Earlier, the Chairman, the IE(I) UP State Centre Mr.Masarrat Noor Khan welcomed all the guests and participants and said that Engineers play a very important role in every field of our life. Sir Mokshagundam Visvesvaraya was a great engineer, he successfully designed and built many river dams, bridges in India and revolutionized the irrigation system by implementing irrigation and drinking water system all over India. Along with this, he also made a big contribution in the industrialization of the country. Sir Mokshagundam Visvesvaraya was awarded India's highest civilian honor "Bharat Ratna" in 1955 due to his great contributions and his birthday is celebrated as Engineer's Day all over the country. Under the direction of Mr. DK Srivastava SCC Member, a lively colorful cultural program was organized on the occasion. Shri RK Trivedi, Immediate Past President, Shri Satya Prakash, Ex MD of UPRNN; Shri Salek Chandra, Ex HoD, PWD and Shri SN Mishra, Chief Engineer, Mandi Parisad, Er Manoj Gupta, Engineer-in-Chief, PWD, ER SK Verma Ex MD, UPPCL and more than 150 senior engineers of various departments were present on the occasion. Program ended with vote of thanks by Dr. Jaswant Singh, Honorary Secretary, UPSC.

'World Habitat Day'



The Institution of Engineers (India), UP State Centre, Lucknow celebrated **'World Habitat Day'** on 3rd October 2022 at Engineers Bhawan, River Bank Colony, Lucknow. On this occasion the chief guest **Dr. (Mrs)Vandana Sehgal Principal & Dean** (Faculty of Architecture), AKTU, Lucknow in her address said that this year the theme of the United Nations for consideration is "Mind the Gap. Leave No One and Place Behind" which aims to address the problem of growing inequality and challenges in cities and human settlements. Also, to draw attention to the growing inequalities and vulnerabilities in the world, exacerbated by the triple 'C' crisis - COVID-19, CLIMATE and CONFLICT. City and local governments play an up front and critical role in crises and emergencies as well as in planning for an inclusive, resilient and green future. To prepare urban areas for future disasters, we must start with cities. Thus, implementing local action is more important than ever to meet the sustainable development goals. In 1985, the United Nations decided to observe the **first Monday of October every year as World Habitat Day** to consider the state of our habitats and the fundamental right of all to adequate shelter. The day aims to remind the world that we all have the power and responsibility to shape the future of our cities and towns. It was first celebrated in the year 1986 with the theme "Shelter is my right".

Nairobi was the host city of the event that year. Every year this day is celebrated with new themes. Mr. V B Singh National VP the IE(I) also addressed the gathering and elaborated about the importance and relevance of the World Habitat Day. Earlier in the beginning of the program, Mr. Masarrat Noor Khan, Chairman, the IE(I) UPSC welcomed the chief guest and all other guests participating in the program and threw light on the activities of the Institution of Engineers in detail. Mr. Satya Prakash, SCC Member & Ex MD, UPRNNand convener of this eventconducted the program efficiently. Along with National VP The IE(I) Mr. VB Singh, & Immediate Past Chairman UPSCC Mr RK Trivedi above 100 participants actively participated in the program. The event ended with vote of thanks by Dr Jaswant Singh Honorary Secretary, UPSCC Lucknow.

THE INSTiTUTION OF ENGINEER'S STALL AT 81ST ANNUAL SESSION OF INDIAN ROADS CONGRESS ”



The 81st Annual Session of IRC wa organised this year in Lucknow from 8th – 11th Oct, 2022 . In which more than 4000 delegates from India & abroad participated . The UP State Centre of IE(I) put a stall at IRC venue to apprise the delegates about the benefits of becoming members of IEI. The IEI Stall was inaugurated by **Er Ashok Basa,** FIE, Past President of IEI in the presence of National Vice President ER VB Singh, FIE , Er RK Trivedi, FIE, Immediate Past Chairman & others. A large no. delegates from different parts of India visited the stall and took forms for becoming the members.

‘World Standards Day'



The Institution of Engineers (India), UP State Center at Engineers Bhawan, River Bank Colony celebrated 'World Standards Day' on 14 October 2022. Chief Guest on this occasion was the Mr. Mohammad Rizwan, Joint Director, Indian Standards Institute

'Deepawali Milan-2022'



Deepawali Milan 2022,inaugurated by Er.A.N Jain, Engineer-in-Cheif, PWD (Retd.) Er. R K Trivedi, I.P. Chairman, Er.Masarrat Noor Khan,Chairman, Dr jaswant Singh, Hony.Secretary,& Er. D.K. Shrivastava, Member UPSC

102nd ANNUAL GENERAL MEETING OF IEI, U.P. State Centre, Lucknow

The 102nd Annual General Meeting of the Institution of Engineers (India), U.P. State Centre was held on 13th November, 2022, at Engineers’Bhawan, River Bank Colony, Lucknow. The Meeting was chaired by Er. Masarrat Noor Khan,FIE, Chairman and conducted by Dr. Jaswant Singh,FIE, Honorary Secretary.

The Honorary Secretary Dr. Jaswant Singh,FIE read out the pre-circulated Agenda of 102nd AGM and read out the Minutes of 101st AGM which were confirmed unanimously by the House. The Honorary Secretary presented the Audited Account and Annual Report of U.P. State Centre for Financial Year 2021-22 and the HOUSE APPROVED the same unanimously.

In the end Dr. Jaswant Singh,FIE, Honorary Secretary proposed the Vote of Thanks.



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Brief Bio-Data of Er Masarrat Noor Khan,FIE Chairman

Er Masarrat Noor Khan, did High School from ST. John's Intermediate College, Agra in 1973 in first Division, Pre. University Course from A.M.U. Aligarh in 1974 in First Div. and Rank Holder in order of Merit, B.Sc. Engineering (CIVIL) from AMU, Aligarh in 1979 in First Division with Honours.

Er Khan always remained active from student life, in Extra Curricular Activities such as in Associations, literary and Cultural activities and also organised and convened All India level Conferences under the Banner of "National Integration Samiti"and NSS. In which dignitaries of India level & repute such as Mr I K Gujral, Former Ambassador, (later became Hon'ble PM of India), Mr Justice Beg Former Chief Justice of India, Ms Uma Vasudev famous writer, Mr K R Malkani from RSS, Mr K.L. Shrimali then VC of BHU & others dignitaries participated.

Mr Khan, Joined UP, PWD through U.P. Public Service Commission & rose to Chief Engineer level PWD & MD UP State Bridge Corporation.

He is member of IEI from eighties and at present Chairman, IEI, UP State Centre, Lucknow.

Brief Bio-data of Dr Jaswant Singh, FIE Honorary Secretary

Born on December 01, 1951 at Chandauli (Uttar Pradesh),obtained Bachelor and Doctoral degree in Agri. Engg. from GBPUA&T Pantnagar in 1974 and 1987 respectively and M.Tech. (Agril Engg) from IIT Kharagpur in 1976. Served as ARS Scientist in different capacity at ICAR-CPCRI, Kasargod, ICAR-CIAE Bhopal, ICAR-IISR Lucknow and has vast experience including international exposure. Member of various professional societies and held important executive positions viz; President (Engg Sciences, ISCA; VP, ISAE; VP, ASTI;Chairman, ISAE-Lko-Chapter;Fellow (IEI, ISAE, STAI, ISNS);CE(IEI),LM (ISCA,ISPC,AFSTI, ASTI),Member IMC (ICAR-CIAE Bhopal, ICAR-IISR Lucknow, ICAR-CIPHET Ludhiana). Recipient of various awards & recognitions. Maharshi Samman of RASSA; Member, Peer Review Teem of ICAR-GOI for (BUA&T, Banda; MPKV Rahuri; BSSKKV Dapoli); and Convenor BOS, AKTU Lucknow.

MEMBER IN NEWS



Er. VB Singh, Council Member from UP State has been nominated & taken over as NATIONAL VICE PRESIDENT of The Institution of Engineers (India) for the year 21-2022 It is a great and proud moment not only for him but for whole of the UP State as Er. Singh belongs to Uttar Pradesh. Er. VB Singh has also served as Chairman (2012-14) & Hony. Secretary (1996-2000) of IEI, UP State Centre. The UP State Centre congratulates Er. VB Singh and hope to get valuable guidance from him from time to time.



Opening of Student's Chapter under Department of Electrical Engineering at RR Group of Institutions, Lucknow



Er. VB Singh, Council Member & Er. Masarrat Noor Khan, Chairman, UPSC welcoming newly elected President of IEI, Er. Chinmay Debnath at 37th Indian Engineering Congress, Chennai.



Er. VB Singh, Council Member & Er. Masarrat Noor Khan, Chairman, UPSC with outgoing National President of IEI, Dr. Hemant O. Thakare at 37th Indian Engineering Congress, Chennai.



Celebration of Energy Conservation Day at IEI, UP State Centre, Lucknow



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