

News Bulletin

The Institution of Engineers (India)

Meerut Local Centre

"104 Years of Relentless Journey Towards Engineering Advancement for nation Building"

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From the Chairman's Desk

Dear Esteemed Readers,

I extend my warm greetings to all of you on the joyous occasions of the festivals including Makar Sankranti/Pongal, Vasant Panchami, Mahashivratri, Holi, Eid-ul-Fitr, Ramnavmi, Hanuman Jayanti, Mahavir Jayanti, the Hindu New Year (Chaitra Shukla Pratipada, Vikram Samvat 2083), the Prakash Parv of Guru Tegh Bahadur Ji, Baishakhi and Baba Saheb Dr. Ambedkar ji Jayanti celebrated across our great nation in the recent past.

These festivals have fostered a spirit of unity and brotherhood among people and have filled our lives with renewed hope, positivity, and prosperity. They continue to strengthen the essence of our nation's unity in diversity.

At the same time, we are living in an era shaped by evolving geopolitical situations across the world. In such times, it becomes all the more important for us to remain vigilant, responsible, and committed to safe and secure living.

Let us continue to prioritise safety, promote awareness, and contribute towards building a peaceful and harmonious society.

Wishing you all continued happiness, prosperity, and safe celebrations in the months ahead.

Warm regards

Yours Sincerely,

Subhash Chandra Mittal

Chairman



From Hony. Secretary's Desk

Dear friends and fellow members,

Greetings on the occasion of Navsamvatsar. We face turmoil and hard times due to unrest and war amongst America, Iran and Israel. All the world order is affected. Our country is handling the situation, very well.

As far as excellence in engineering is concerned, our country organized world event in the form of AI impact summit, which was a great success.

As far as, the Local Centre of IE(I) Meerut is concerned, in this quarter, we organized two major celebrations. One in the form of World Engineering Day and another in the form of World Water Day. As engineers, both are very important in our daily life. We have to keep pace with the latest developments in respective fields.

We are entering into the new financial year 2026-27, with limited resources and rising prices. We have to keep watch on our financial management. Friends, we expect your greater participation and interactions in future events.

Er. Nikhil Kishore

Hony. Secretary

A. Statutory Activities:

Regional Language Promotion Day

Date: 22-02-2026

On February 22, 2026, Regional Language Promotion Day was celebrated by the Local Centre of the Institution of Engineers (India), Meerut. The event was chaired by Er. S.C. Mittal, Chairman.

At the outset, Er. S.C. Mittal welcomed all members attending the webinar Er. Nikhil Kishore, Hony. Secretary delivered a detailed presentation on the theme of the event and background of event celebrations:

Silver Jubilee Celebration of Mother Language/Regional Language Promotion Day.

- प्रत्येक वर्ष 21 फ़रवरी को क्षेत्रीय भाषा सम्वर्धन दिवस या अंतर्राष्ट्रीय मातृभाषा दिवस मनाया जाता है। इसका उद्देश्य लुप्तप्राय भाषाओं के संरक्षण के माध्यम से भाषाई विविधता को बढ़ावा देना है।
- इसके लिए 21 फरवरी को ही क्यों चुना गया। इसका विवरण इस प्रकार है। भारत विभाजन के बाद पाकिस्तान के हुकमरानों ने उर्दू को पश्चिमी पाकिस्तान के साथ साथ पूर्वी पाकिस्तान की भी राजभाषा घोषित कर दिया था। फिर 1952 में उन्होंने उर्दू के अतिरिक्त अन्य भाषाओं को अमान्य घोषित कर दिया। पूर्वी पाकिस्तान जो अब बांग्लादेश है में बांग्लाभाषी बहुतायत में थे। अतः ढाका विश्व विद्यालय के छात्रों ने इसका कड़ा विरोध किया तथा 21 फ़रवरी 1952 को पुलिस गोली से 5 छात्र मारे गए उनकी याद में वहाँ स्मृति दिवस मनाया जाता है तथा बांग्लादेश में इस दिन राष्ट्रीय अवकाश रहता है। इसी कारण इस दिन का प्रस्ताव 1999 में, एक बांग्लादेशी कनैडियन द्वारा यूनाइटेड नेशन्स में रखा गया, जिसे मान लिया गया तथा 21 फरवरी सन् 2000 को पहला क्षेत्रीय भाषा सम्वर्धन दिवस मनाया गया।

The International Mother Language Day was celebrated with theme “Language Matters: Silver Jubilee and Sustainable Development.” The event was organized on webinar. The key note speaker Er. R.P. Agrawal immediate past chairman of the Local Center and Er. B.D. Sharma, member of executive council from Mechanical branch expressed their views.

क्षेत्रीय भाषा संवर्धन दिवस पर 'पुनरावलोकन' विषय पर बोलते हुए तत्काल पूर्व अध्यक्ष अभियंता राज पाल अग्रवाल ने हिन्दी व्यंजनों को क्रमबद्ध याद करने का सूत्र बताते हुए वर्ण श तथा ष के उच्चारण का अन्तर स्पष्ट किया। उन्होंने लघु-गुरु मात्राओं का स्पष्ट निर्धारण करते हुए हिन्दी साहित्य में छन्द विचार विशेषतः मात्रिक छन्दों पर चर्चा की। इस क्रम में उन्होंने कविवर बिहारी के कतिपय दोहों का उल्लेख करते हुए बिहारी की काव्यगत विशेषताएँ बताईं और नायिका भेद पर विचार किया। कविवर बिहारी की प्रशंसा के साथ-साथ उन्होंने कवि के आलोचनात्मक पक्ष का भी जिक्र किया। श्री अग्रवाल ने विभिन्न उदाहरण देकर तथा काव्यांश के साथ अपने संबोधन को सुरुचिपूर्ण बनाया।

Er. B.D. Sharma narrated the significance of this important day. The celebrations of the day commenced from 2000. The UNO with its important wing, International Bureau of Education declared this official event as 'International Mother Language Day.' This day is also being focused in SDG. 4 of united Nations. Significance and objectives were highlighted and were underscored as promotion of multilingual education protection to endangered languages, and faster linguistic diversity. Mother tongue has its own significance because it enhances (a) Education Quality (b) Reduce learning crisis and (c) Ensure cultural preservation.

In India, there are 22 official languages.

He suggested various measures to promote mother language. He highlighted several other languages being practiced in India. The use of mother language promotes better learning of various subjects.

The session was attended by a large number of members and several queries were raised regarding translations of mother tongue to other languages. Er. Nikhil Kishore Hony. Secretary gave several information in this regard and option of teleprompter was explained. He gave an example of translations available is 8 languages in the prestigious AI impact Summit held recently. Er. Kishore emphasized that our National Education Policy stresses learning in mother language and promotes study of science, maths, engineering, medical studies, in mother language, so that the subject would be better understood.

The session concluded with valuable suggestions from members, on ways, to promote the mother language. Participants were actively engaged and showed keen interest in the event. In conclusion, Er. Nikhil Kishore, Hony. Secretary, presented a vote of thanks. Members appreciated excellent governance of the meet by Hony. Secretary. They were thanked by Hony. Secretary, Er. Nikhil Kishore.

World Engineering Day for Sustainable Development Date: 05-03-2026

The Meerut Local Centre conducted a webinar to celebrate the World Engineering Day 2026 on 5th March 2026. The webinar was chaired by Er. S.C. Mittal, Chairman, IE (I) LC Meerut. Honorary Secretary Er. Nikhil Kishore, convened the meet. Two keynote speakers, Dr. Shivam Goyal, Assistant Professor of Mechanical Engineering Department and Er. J.R. Bentham, Assistant Professor Agricultural Engineering both from Sir Chhotu Ram Institute of Engineering and Technology, C.C.S. University Meerut were invited to address on the subject theme.

After welcome address by the Chairman, the Hony. Secretary started proceedings with a brief introduction about the World Engineering Day's significance for sustainable development and highlighted its role in promoting engineers' contribution to this cause. He explained that this day, proclaimed by UNESCO in November 2019, during its 40th general conference is celebrated worldwide on 4th March, every year, since 2020. The theme for 2026 is "Smart Engineering for a Sustainable Future through Innovation and Digitalization". The challenges being faced are, mainly, climate changes, digital transformation for sustainable infrastructure, food and water security and economic development. The World Engineering Day is statutory day for celebrations and collaborations amongst engineers. World Engineering Day shines as a global spotlight on engineering's power to drive progress and shape our future.

The Hony. Secretary introduced keynote speaker Dr. Shivam Goyal and requested him to start his address.

Dr. Goyal started with a quote of Albert Einstein on sustainable development. His topic for presentation was "Sustainable Production and Consumption linked with circular Economy". He first explained sustainability and its model and briefed about different sustainable development goals of UN, specially goal no. 12, Responsible Consumption and

Production. He explained sustainable production and sustainable consumption, along with circular economy concept. Sustainable production and consumption (SPC) were compared with conventional ones (CPC). He gave an account of critical success factors to promote SPC linked with circular economy in Indian Industries context.

He listed about 27 critical success factors which were studied by different researchers.

Dr. Goyal gave an account of practices to achieve the goals of SPC linked with circular economy. He listed 24 such specific practices, which were taken up by different researchers.

Dr. Goyal then came to the most important part of this presentation. He gave an introduction to smart engineering technologies for a sustainable future through innovation and digitalization:

1. Robotic
2. Artificial Intelligence and Machine Learning
3. Internet of things
4. 5G technology
5. Augmented Reality (AR) and virtual Reality (VR)
6. 3D printing and Additive manufacturing
7. Drone technology
8. Automation
9. Advanced Energy storage Technologies promoting Solar and EV technologies.
10. Digitalization

Dr. Goyal explained and gave a brief note on all these technologies and their importance.

This presentation was widely appreciated by members. Some interactions were exchanged between Dr. Goyal and Honorary Secretary Er. Nikhil Kishore to clarify more and satisfy queries.

The Honorary Secretary Er. Nikhil Kishore, invited and introduced, the second speaker Er. J.R. Bentham, Asstt. Professor, Deptt. of Agricultural Engineering, SCRIET, CCSU, Meerut. He addressed with the topic “Smart Engineering for a Sustainable Future through Innovation and Digitalization”.

He started with components of Smart Engineering, such, as, advanced technologies integration, Data driven decisions, automation and Intelligent systems and Efficiency & optimization. He told that sustainability can be understood with Environmental, Economic and social sustainabilities. He explained role of innovation in green technologies, Energy efficient systems, Eco friendly materials and Life Cycle management. He highlighted role of Digitalization in IOT, AI, Bigdata, cloud computing and in real time monitoring. He discussed smart cities concept and smart Energy systems. He defined Industry 4.0, with Automation & Robotics, cyber system, 3D printing and sustainable manufacturing. He gave an account of Digital technologies for sustainability such as AI for climate prediction, Block Chain for supply chain, smart Agriculture and precision Irrigation.

He also discussed challenges, future opportunities and role of Engineers. He concluded with suggesting integration of innovation and digitalization which are key to sustainable development. Engineers shall drive the ‘future’.

Dr. Niraj Singhal appreciated deliberations and stated that only technological development is not sufficient, we should encourage youngsters for innovations. The purpose of celebrating World Engineering Day is to underline the role of engineers and inspire youngsters for promoting start ups and innovations. Suggestions were also given by Hony. Secretary.

In the end Hony. Secretary presented vote of thanks.

World Water Day

Date: 22-03-2026

The Meerut Local Centre conducted a seminar to celebrate World Water Day 2026 on 22 March 2026. The Meerut Local Centre office hosted this meeting. Er. S.C. Mittal, Chairman, IE(I) LCC Meerut, chaired the meeting, and Honorary Secretary Er. Nikhil Kishore conducted the proceedings. Two keynote speakers, Honorary Secretary Er. Nikhil Kishore and Er. B.D. Sharma, Convener, IWRS Meerut and Member, LCC IE(I) Meerut, presented their views and deliberated on the subject theme.

After the welcome address by the Chairman, Hon. Secretary Er. Nikhil Kishore stated that World Water Day is a UN observance day celebrated on March 22 every year to raise awareness about freshwater issues and support SDG 6 (Clean Water and Sanitation) for universal water and sanitation access and SDG 5 (Gender Equality).

Er. Kishore spoke about the theme of this year's event. He said that the official theme for 2026 is "Water and Gender." It highlights how the global water crisis disproportionately affects women and girls, who often bear the primary responsibility for water collection, sanitation, and family care.

The Honorary Secretary, Er. Nikhil Kishore, started his deliberations and presentation by highlighting the subject theme. He made three key observations:

1. Women and girls disproportionately shoulder the responsibility for collecting water for their households, often travelling long distances daily. This reduces their time for education, work, rest, and participation in community life.
2. Access to safe sanitation and hygiene services is also a gender issue—the lack of private, secure facilities increases the risk of harassment and negatively affects women's dignity, health, and ability to manage menstruation and pregnancy with privacy and safety.
3. Despite performing much of the world's water-related labour, women are frequently underrepresented in leadership roles and decision-making related to water policies, governance, and infrastructure.

Er. Kishore described the key focus areas, stating that this theme emphasises empowering women in water management decisions, leadership, and policies to promote gender equality and sustainable solutions.

It addresses inequalities where women and girls lack rights to safe water, advocating for their inclusion to make water systems more resilient against climate change.

Er. Kishore explained how the water crisis affects women and girls. He stated that women and girls bear the brunt of the crisis due to entrenched gender roles, social norms, and systemic inequalities that assign them primary responsibility for water collection and household hygiene. Globally, 1.8 billion people lack water on their premises, and in 70% of these households, women and girls aged 15+ handle water collection, often making long and dangerous trips that expose them to physical strain, assault, and harassment.

He further explained the time and opportunity losses affecting women. This daily burden, estimated at 250 million hours worldwide, steals time from education, work, and leisure, perpetuating cycles of poverty and limiting economic independence, especially for girls who miss school. Girls under 15 are nearly twice as likely as boys to fetch water, starting unpaid labour early and widening gender gaps in opportunities.

Er. Kishore also highlighted the health and safety risks faced by women and girls. Carrying heavy loads causes pain and injury, and long journeys expose them to risks of violence and disease due to poor sanitation.

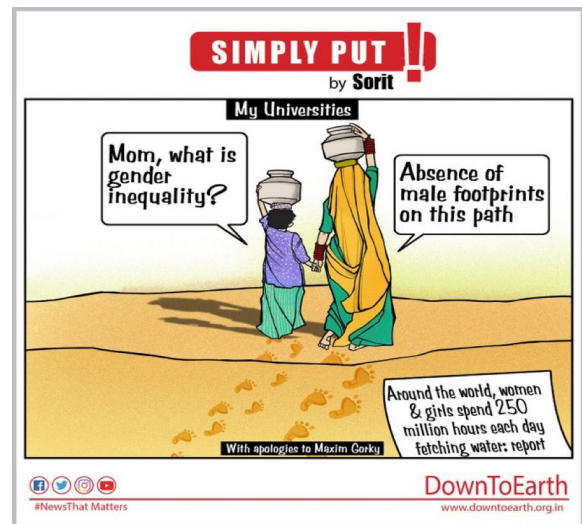
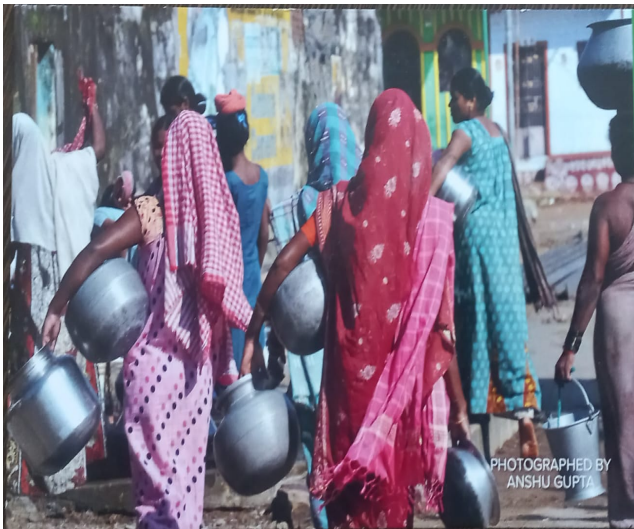
He also explained broader inequalities, stating that climate change worsens these impacts, reducing income in female-headed households.

Er. Kishore suggested solutions, emphasizing that addressing gender disparities in water access requires infrastructure improvements, empowerment, and policy reforms that centre women and girls in decision-making. Infrastructure upgrades should provide safe water and sanitation services near homes and schools, supported by effective water policies.

He further suggested measures for empowerment and inclusion, stating that women and girls should be involved in the planning, governance, and leadership of water projects.

On policy and advocacy, he emphasized the need for legal reforms ensuring equal resource rights, education to challenge social norms, and increased financing for female-headed households.

Photographs on Gender inequality presented by Hony. Secretary Er. Nikhil Kishore during his presentation.



After his address, the Hon. Secretary invited Er. B.D. Sharma, Convener IWRS Meerut and Member LCC, to speak on the subject theme.

Er. Sharma began his address by sharing a few key points:

On the occasion of World Water Day, he highlighted that only 2.5% of the planet's water is freshwater, with 68.7% trapped in glaciers and ice caps. India faces significant water challenges, having 4% of global freshwater resources but 18% of the world's population. This year's UN World Water Day theme, "Water and Gender," emphasizes the disproportionate impact on women.

He presented alarming statistics: 1 in 5 women lack access to safe drinking water, and women spend 250 million hours daily on water collection, far exceeding men's contributions. He stressed the need for inclusive water management, highlighting women's underrepresentation in decision-making roles despite comprising 20% of the water sector workforce. He also emphasized India's urgent need for effective water strategies given its population and limited resources.

He discussed future water challenges, including increasing droughts and floods, changing drought characteristics (now lasting 1–3 years), and the risk of "Day Zero" water crises, as seen in Chennai (2017). He highlighted the importance of water conservation, citing UN SDG 6 (Clean Water and Sanitation for All).

Key global statistics include:

- 2.2 billion people lack safe drinking water
- 3.4 billion lack safe sanitation
- 1.7 billion lack basic hygiene services
- One-fourth of the global population faces high water stress

He emphasized that sustainable water management is essential to mitigate these risks.

Regarding India's efforts to address future water stress, he noted that the Ministry of Water Resources is implementing key initiatives such as:

- Providing tap water connections to 15.8 crore rural households
- The 'Catch the Rain' campaign, creating 45 lakh water conservation structures (including 27.6 lakh groundwater recharge structures)
- Approval of 3,568 water supply projects worth ₹1.14 lakh crore and 1.81 lakh new tap connections
- National Water Awards to promote water conservation

Under Viksit Bharat 2047, India aims for integrated water governance focusing on conservation, groundwater recharge, efficient water use, community participation, corporate partnerships, and CSR initiatives for industries.

He also highlighted innovative approaches such as Sumul Dairy's water conservation model using recharge wells to conserve monsoon water and reduce water consumption costs.

Key focus areas under Viksit Bharat 2047 include:

- Water metering for integrated management
- Innovative irrigation techniques
- Groundwater recharge
- Restoration of water bodies

Queries raised by the audience were replied suitably by the speaker Er. B.D. Sharma.

Finally, Er. Nikhil Kishore, Honorary Secretary, Meerut Local Centre, The Institution of Engineers (India), delivered the vote of thanks, expressing gratitude to all participants for their valuable contributions.

(A) Other Activities:

1. Republic Day Celebration: Republic Day was celebrated on January 26, 2026, at the IEI Office, marking the spirit of national pride and unity.
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