

News Bulletin

The Institution of Engineers (India)

Meerut Local Centre

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

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From the Chairman's Desk

First of all, I wish all the members and their families a pleasant, healthy, and prosperous New Year.

Our Centre held its 13th Annual General Meeting on 27th October, 2024. During the AGM, we felicitated members who had attained the age of 75 as Platinum Members.

Unfortunately, our financial constraints continue to increase. We are receiving a manpower grant that is less than our expenses. Additionally, the cost of obtaining a GST number and submitting GST accounts has added to our financial burden. As a result, we have been unable to celebrate any Statutory Day in person since Engineers' Day on 15th September, 2024.

This news bulletin will update you on the activities of the Centre.

With best wishes for Lohri, Makar Sankranti, and Republic Day,

Er. Raj Pal Agrawal
Chairman



From the Hon. Secretary's Desk

Dear Members,

As we step into the year 2025, I extend my warmest greetings to you and your families for a joyful, healthy, and prosperous Year. Let us bid farewell to 2024, a year that brought its own challenges and accomplishments, and welcome 2025 with renewed hope and enthusiasm.

The festivals celebrated between October and December in the year 2024, symbolized joy and the richness of Indian culture. Lohri and Makar Sankranti, marking the harvest season, bring the promise of abundance and prosperity. As we gather around the warmth of the bonfire, let us kindle the spirit of unity and hard work that these festivals represent.

Republic Day to be celebrated on 26th January, is a reminder of our nation's sovereignty and the democratic values that guide us. It is a day to honor the Constitution of India and to remember the sacrifices of those who fought for our freedom. Let us, as engineers, pledge to uphold these values and contribute to the nation's progress.

As we look ahead, I urge all our members to join hands in advancing engineering and technology, crucial for India's aspiration to become a developed country by 2047. Our collective efforts in research, innovation, and sustainable development are essential to achieve this goal.

Your continued support and cooperation are invaluable. Together, we can overcome challenges and create solutions that drive growth and excellence in our field.

May this New Year bring success and fulfillment in your professional and personal lives. Let us make 2025 a year of achievements and progress.

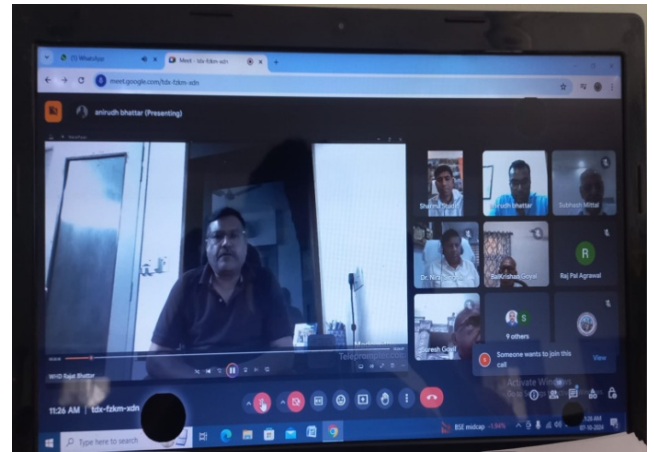
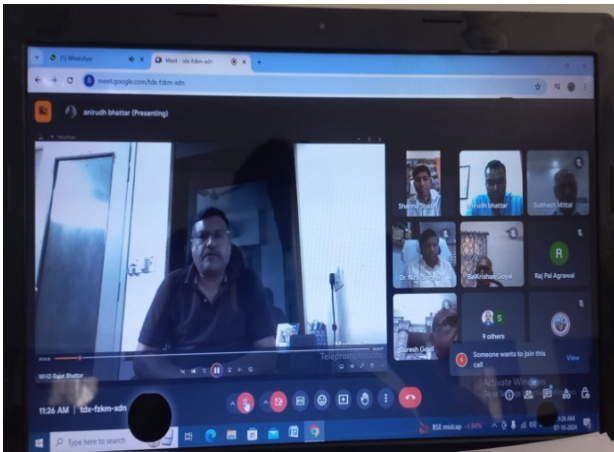
With best wishes for Lohri, Makar Sankranti, and Republic Day,

Er. Subhash Chandra Mittal

Hon. Secretary

A. Statutory Activities:

World Habitat Day Date: 07-10-2024



On October 7, 2024, the Meerut Local Centre of the Institution of Engineers India (IEI) hosted a webinar to celebrate World Habitat Day, focusing on the theme “Engaging Youth to Create a Better Urban Future”. This event emphasized the pivotal role of youth in addressing urban challenges, such as inadequate housing, environmental degradation, and sustainable city planning, in the face of rapid urbanization.

The session was convened by Er. Prashant Sharma, who warmly greeted the participants and introduced the theme of the event. He reflected on the significance of World Habitat Day, which was initiated by the United Nations to raise awareness about the importance of sustainable urban development and ensuring adequate shelter for all. Er. Sharma outlined the importance of engaging youth in urban planning and architecture, as their creativity and energy are key to solving the challenges of urbanization. He then sought permission from Er. R.P. Agrawal, Chairman of the Meerut Local Centre, to begin the proceedings.

In his welcome address, Er. R.P. Agrawal acknowledged the presence of the Hony. Secretary Er. S.C. Mittal, the keynote speakers Ar. Anirudh Bhattar and Ar. Rajat Bhattar, and senior members of the IEI Meerut Local Centre. He expressed gratitude for their participation and emphasized the need for the younger generation to take an active role in addressing urban challenges. Er. Agrawal stressed the importance of sustainable practices in urban design and the responsibility of professionals to create a future where cities are livable, inclusive, and resilient. His address set the tone for the webinar by focusing on youth empowerment and innovation in urban development.

Ar. Anirudh Bhattar, the first keynote speaker, is an Associate Architect at Suresh & Rakesh, Meerut. He holds a Bachelor of Architecture (B.Arch.) from USAP, GGSIPU, Delhi, and a Master’s in Construction Project Management from the University of Manchester, UK. With over four years of experience, Ar. Bhattar specializes in sustainable urban design and innovative architectural solutions. In his presentation, he focused on the challenges posed by rapid urbanization and the need for innovative solutions to address issues like inadequate housing and resource depletion.

Ar. Bhattar discussed how young professionals can contribute to urban development by adopting modern design principles, using sustainable materials, and applying community-centric approaches. He highlighted three main areas:

Innovative Urban Design: Ar. Bhattar emphasized that future cities require creative and scalable solutions, utilizing advanced technology to create sustainable environments that meet the needs of a growing population.

Youth Engagement: He spoke about the critical role young architects and planners play, stressing that their fresh perspectives and ideas are essential in creating resilient and inclusive urban spaces.

Sustainable Practices: Ar. Bhattar advocated for environmentally friendly construction techniques and energy-efficient designs to ensure that urban development is both scalable and sustainable.

He concluded his presentation by urging young professionals to take an active role in urban planning and development, emphasizing that their contributions could lead to groundbreaking changes in how cities evolve.

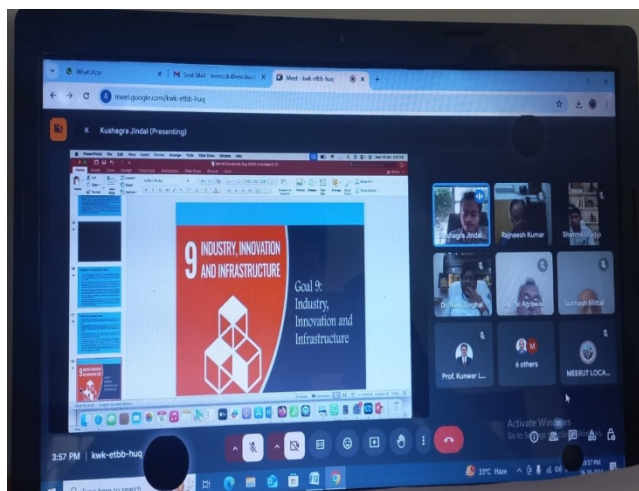
Prof. Dr. Neeraj Singhal, Director of SCRIET, CCS University, Meerut, also joined the webinar. His presence was acknowledged with warm appreciation by Er. S.C. Mittal, the Hony. Secretary of the Meerut Local Centre, and Er. Prashant Sharma, the convener. Dr. Singhal's attendance added great value to the event, and his participation was well-received by all attendees.

The second keynote speaker, Ar. Rajat Bhattar, is the Principal Architect at Suresh & Rakesh, Meerut, with over 35 years of experience in the Architecture, Construction, and Engineering (ACE) industry. He holds a Bachelor of Architecture (B.Arch.) from MIT and is a respected member of both the Council of Architecture (CoA) and the Indian Institute of Architects (IIA). Although unable to attend in person due to his travel commitments, Ar. Rajat Bhattar shared his thoughts through a pre-recorded video message.

In his address, he emphasized the importance of creating sustainable urban spaces that are both functional and environmentally friendly. He encouraged young professionals to step into leadership roles and focus on innovative solutions to the issues of urban infrastructure and housing shortages. His insights on integrating sustainability into urban planning and the role of youth in driving this change were particularly well-received. The participants appreciated his valuable contribution to the session despite his absence.

After the keynote speeches, a Q&A session was hosted by Ar. Anirudh Bhattar. Participants raised questions about the challenges of rapid urbanization, such as slum proliferation and homelessness. Several ideas were discussed, including affordable housing models, sustainable building practices, and innovative design concepts. Ar. Bhattar responded with thoughtful insights, reiterating the need for collaboration between various stakeholders, including governments, civil society, and individuals, to create cities that are inclusive and resilient. His responses encouraged further discussion among participants about the role of young professionals in addressing these critical issues.

World Standards Day Date: 14-10-2024



On the occasion of World Standards Day, a webinar was organized on Oct 16, 2024, under the chairmanship of Er. R.P. Agrawal, Chairman of LC Meerut, The Institution of Engineers (India).

On October 16, Er. Kushagra Jindal, Deputy Director at the Bureau of Indian Standards, delivered a presentation in a webinar commemorating World Standards Day, celebrated globally on October 14, 2024. The theme for this year was "Shared Vision for a Better World: Spotlight on SDG 9 – Industry, Innovation, and Infrastructure in the Age of AI."

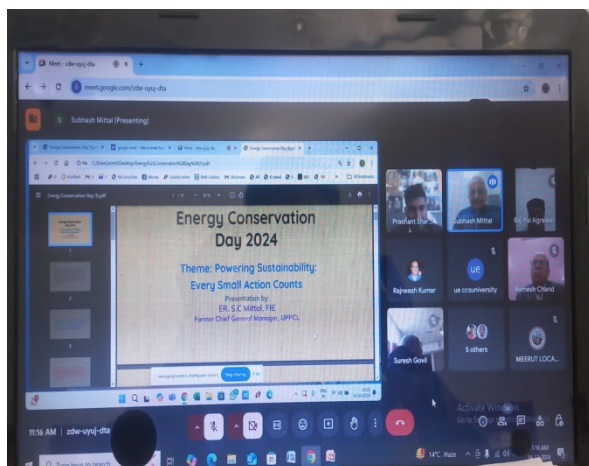
Er. Kushagra emphasized that sustainable development is a guiding principle aimed at meeting human development goals while preserving the natural systems that provide essential resources and ecosystem services, which are crucial to the economy and society. He highlighted the United Nations' commitment, through a General Assembly resolution, to achieving 17 Sustainable Development Goals (SDGs) by 2030 for a better and more sustainable future.

Focusing on SDG 9, which promotes Industry, Innovation, and Infrastructure, Er. Kushagra explained that this goal supports economic development and human well-being by advocating for affordable and equitable access to essential resources. He pointed out that functional infrastructure, including water, electricity, and internet, forms the foundation for a quality life, stressing that all countries should be equipped with these basic services.

Er. Kushagra also underscored the significant role young people can play in developing new technologies and generating innovative ideas at a rapid pace. Additionally, he highlighted the importance of energy conservation, encouraging everyone to unplug devices when not in use to save energy.

In the end Er. S.C. Mittal Hony. Secretary, Meerut Local Centre presented vote of thanks.

Energy Conservation Day Date: 14-12-2024



The Meerut Local Centre, Institution of Engineers (India), Kolkata, organized a webinar on 14th December 2024 on the occasion of **Energy Conservation Day** under the **chairmanship of Er. R.P. Agarwal, Chairman of LC Meerut**. The event was **convened by Er. Prashant Sharma**.

Er. S.C.Mittal Former Chief General Manager UPSEB (Now UPPCL), as a Keynote speaker and also the Hony. Secretary Local Centre Meerut, delivered a presentation on the webinar commemorating Energy Conservation Day celebrated nationally. The **theme** for this webinar is **“Powering Sustainability – Every Action Counts”**.

While delivering a presentation on energy conservation, Er. Mittal first explained the meaning of "powering sustainability." He emphasized that energy should be generated responsibly, ensuring minimal impact on the environment, and that future energy resources should not be depleted.

He elaborated on the challenges we are currently facing:

1. Deforestation.
2. Overpopulation.
3. Water scarcity.
4. Ozone layer depletion.
5. Habitat destruction.
6. Pollution.

Er. Mittal insisted on using LED (Light Emitting Diode) bulbs instead of incandescent lamps or fluorescent tubes. He highlighted that using LED bulbs can save up to 85% of energy compared to incandescent bulbs.

He further suggested practical measures such as:

1. Using timers for water tanks.
2. Installing solar water heaters instead of geysers.
3. Using solar cookers instead of gas stoves.
4. Painting walls in light colors.
5. Installing photoelectric control switches for streetlights.

Er. Mittal also emphasized the need for sustainable transportation by using solar energy, encouraging carpooling and promoting cycling.



He mentioned that the Bureau of Energy Efficiency (BEE) was established on 1st March 2002 under the provisions of the Energy Conservation Act, 2001 of Central Government of India.

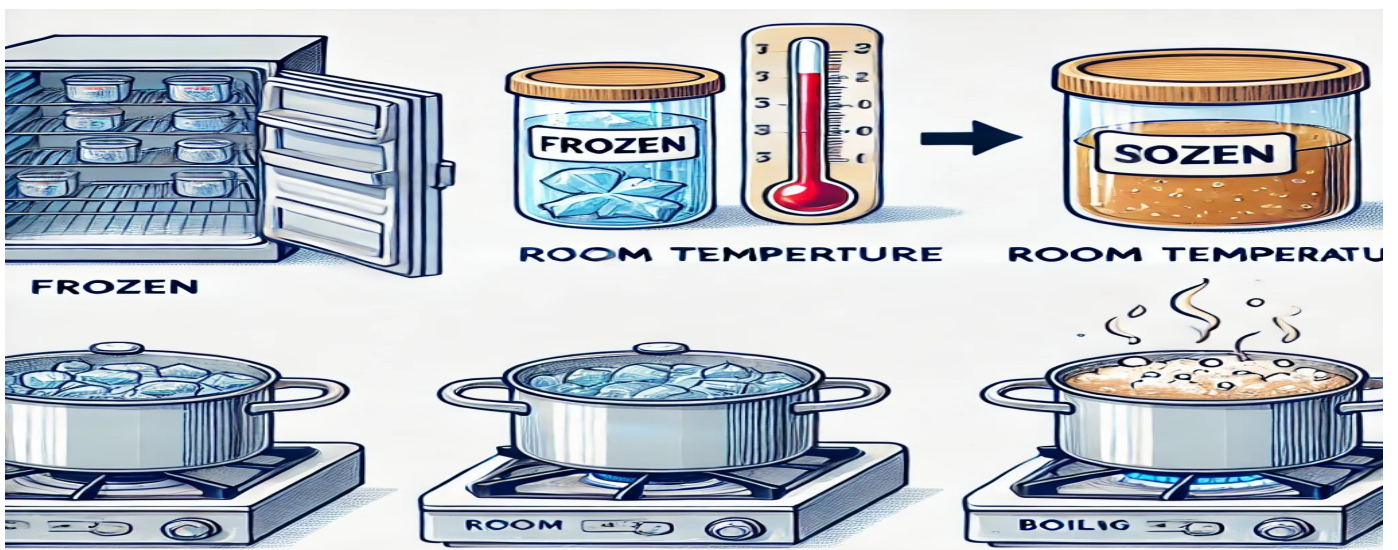
Key contributions of BEE include:

1. Providing star ratings for appliances.
2. Reducing carbon footprints.

He also described the difference between Energy Conservation and Energy Efficiency briefly thru a presentation highlighting so many points. A True or False Quiz was also organised by Er. Mittal for all attendees to understand quickly about Energy Conservation and Energy Efficiency.

He also focused on how we can aware, Individuals, Industries, Institutions, about energy conservation. In his presentation he focused on need, cause and significance of this Day.

Er. Mittal concluded by highlighting the importance of driving a collective campaign to raise awareness about energy conservation.



Some of our esteemed members also presented their views about conservation of energy.

In the end Er. S.C. Mittal Hony. Secretary, Meerut Local Chapter, Institution of Engineer's (India) presented Vote of Thanks.