



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 Chairman's Desk



Greetings to all respected Corporate Members, Office-bearers, Members of the Local Centre Committee, our esteemed outside speakers, and their families.

The 2025 monsoon season in India has been marked by its early arrival, unpredictable patterns, and extreme rainfall events. Although floods, landslides, and cloudbursts occur every year, this year the incidents of cloudbursts and landslides have been particularly devastating.

To mention a few: a cloudburst in Jammu and Kashmir at Kishtwar's Chisoti village resulted in over 50 fatalities, with many still missing. The Jammu–Srinagar highway remained closed for the fourth consecutive day due to multiple landslides. Tragically, several pilgrims lost their lives in a landslide on the way to Mata Vaishno Devi.

In addition, the size of glacial lakes in the mountains has been increasing every year, with some now reaching an alarming state. While these events may appear to be purely natural, they are, in fact, linked to unplanned development and industrialisation, which contribute to global warming and climate change.

These disasters pose a grave challenge—not only to the government and industrialists but also to engineers. Much greater efforts are required at all levels to face this challenge effectively.

R. P. Agrawal
Chairman

From Hony. Secretary's Desk



During the last three months, I was not physically present at the Centre due to my stay outside India. However, I remained available online, and Er. Ramesh Chand, Hon. Joint Secretary, efficiently managed all arrangements, ensuring the successful conduct of various activities, including the celebrations of World Telecommunication and Information Society Day and World Environment Day.

I extend my heartfelt gratitude to Er. Ramesh Chand and to all esteemed engineers, including Er. R.P. Agrawal, Chairman; Er. Rajneesh Kumar, Past Chairman; and Er. Manish Mishra, for their constant support and cooperation in successfully carrying out these events.

I am confident that the forthcoming celebrations of Royal Charter Day on September 9 and Engineers' Day on September 15 will also be organised with the same zeal, enthusiasm, and collective cooperation from all of you.

The strength of unity and togetherness is truly invaluable.

Subhash Chandra Mittal
Honorary Secretary

• Statutory Activities :

(a) World Telecommunication Day

Date : 17-05-2025



The event was celebrated in association with Sir Chhotu Ram Institute of Engineering & Technology, Chaudhary Charan Singh University, Meerut in their conference hall. The programme started with the lighting of lamp and presentation of bouquets to guests.

Er. R.P. Agrawal welcomed the chief guest Dr. Niraj Singhal, Director SCRIET Meerut and speakers Dr. Pankaj Kumar, Assistant Professor, SCRIET Meerut and Dr. Nidhi Chauhan, Assistant Professor, SCRIET Meerut.

Speaker: Dr. Pankaj Kumar, presents the *“Breaking Digital Barriers” A Roadmap to Gender Equality*

Contents

1. Gender Equality
2. Digital Divide
3. Opportunities
4. Challenges
5. Conclusion

- 1) "Gender equality in digital spaces isn't just about access—it's about **representation, safety, and empowerment**. Imagine a world where:
- 2) "Globally, **62% of men** use the internet compared to **57% of women**—a gap that seems small but hides stark disparities. In low-income countries, this divide deepens. Why?

- A) Internet usage statistics by gender:** As of 2024, 70% of men and 65% of women globally use the internet. The gender gap, consistently 5–7%, is more pronounced in low-income countries due to social and economic barriers.
- B) Barriers to access:** Women often face affordability issues, restrictive social norms, and limited digital literacy, which hinder their ability to access and use the internet.
- C) Impact on low-income countries:** In low-income regions, lack of internet access limits women's access to education, jobs, and services—reinforcing poverty and reducing opportunities for empowerment.

3) Opportunities

A) Legal and Policy Reform:

Gender-responsive laws inspired by international frameworks help eliminate discrimination and promote equality through government action.

B) Education and Empowerment:

Educating women boosts economic participation, health outcomes, and challenges gender stereotypes, creating lasting societal change.

C) Technological Access:

Digital tools like online learning and mobile banking empower women by improving access to services, education, and entrepreneurship opportunities.

4) Challenges

A) Cultural and Social Norms: Patriarchal values and gender stereotypes limit women's access to leadership, education, and employment, reinforcing systemic inequality over Generations.

B) Gender-Based Violence: Widespread issues like domestic abuse and sexual harassment threaten women's safety and autonomy, hindering their full participation in society.

D) Unequal Economic Participation:

Women face wage gaps, limited financial access, and are overrepresented in informal work, restricting their economic independence and growth.

B) Limited Access to Education:

In many regions, girls face barriers to education due to poverty, early marriage, or gender bias—limiting their future opportunities and empowerment.

5) Gender equality in digital spaces benefits everyone and enhances the quality of information.

By working together, we can build safer, more inclusive online platforms.

Every voice matters—let’s commit to making digital spaces fair and equitable for all.

Speaker: Dr. Nidhi Chauhan, presents on “**Gender Equality in Digital Transformation**” on World Telecommunication Day 2025 as below.

1. Introduction to World Telecommunication Day

Celebrated annually on May 17 since 1969 to raise awareness on the importance of ICTs globally.

The topic focused on Gender Equality and Women’s Empowerment through digital innovation.

Highlights the role of communication in building understanding, intimacy, and mutual valuing in communities.

2. Digital Innovations by Engineers

Engineers develop digital tools and platforms to empower women.

Aim to increase women’s participation in STEM by overcoming barriers with skills and technology access.

3. Key Barriers Limiting Women’s Use of Technology

Cost and affordability

Literacy and digital literacy gaps

Time constraints and mobility issues

Safety concerns and social norms

Perceived relevance and self-esteem/self-efficacy challenges

4. Changing Technologies, Not Women

Current technologies often adopt a one-size-fits-all approach ignoring gender-specific needs.

Emphasis on redesigning technology to accommodate women’s realities rather than expecting women to adapt.

5. Digital Transformation Across Sectors

Health: Telemedicine, maternal health apps, reducing gender health disparities.

Education: Online learning platforms, gender-sensitive teaching, lifelong digital skills.

Finance: Mobile banking, microfinance, digital entrepreneurship tools empowering economic independence.

6. Digital Literacy Programs

Events like those in Sikhera village in Meerut promotes digital skills among women to bridge the digital divide.

7. Impacts of Digital Equality

Economic Empowerment: Access to jobs, entrepreneurship, financial inclusion.

Educational Access: Flexible learning, improved digital competencies, global knowledge access.

Health & Wellbeing: Better access to health services, awareness of gender-based violence, remote healthcare.

Social & Civic Participation: Amplified voices via social media, participation in governance, peer networking.

Confidence & Self-Efficacy: Leadership in STEM, challenging stereotypes, role modeling.

Safety & Autonomy: Emergency apps, anonymous reporting, enhanced decision-making freedom.

Digital Innovations & Sustainable Development

Digital tech supports multiple UN SDGs:

SDG 4 (Quality Education)

SDG 5 (Gender Equality)

SDG 8 (Decent Work and Economic Growth)

SDG 9 (Industry, Innovation, Infrastructure)

SDG 13 (Climate Action)

Empowering women digitally strengthens economies, communities, and resilience to crises.

9. Sector-specific innovations:

Climate Tech: Supports women farmers with weather and sustainability data.

Agri Tech: Market access and smart farming tools for women in agriculture.

Ed Tech: Removes barriers to education for girls in remote/conservative areas.

10. Conclusions

Closing the gender digital divide is essential not only as a rights issue but as an economic and development imperative.

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

Er. Nikhil Kishore convened the entire programme very successfully.

The event was covered by leading newspapers in Meerut, featuring news and photos of the celebration.

(b) World Environment Day

Date 05-06-2024



World Environment Day was celebrated by Meerut Local Centre on 05 June 2025 by organizing a webinar on Google Meet. Er. R.P. Agrawal, Chairman of the Centre, warmly welcomed the corporate members and guests. Er. Ramesh Chand, Hony. Joint Secretary introduced the subject of the webinar to the audience.

The keynote speaker for the occasion was Dr. Bindu Sharma, Professor and Head of Zoology and Environmental Science, CCS University, Meerut. The theme for this year's world Environment Day was "Ending Plastic Pollution".

Dr. Bindu Sharma discussed the history of plastic from Revolutionary Invention to Environmental Crisis. Plastic age started about 150 years ago with first man-made plastic came into existence in 1862, but it expanded its horizons from 1920 to 1950 and played important role in world war-II. Dark side of plastic was first noticed in 1960 when scientists observed plastic pollution in ocean and also the fact that plastic stayed in environment for years.

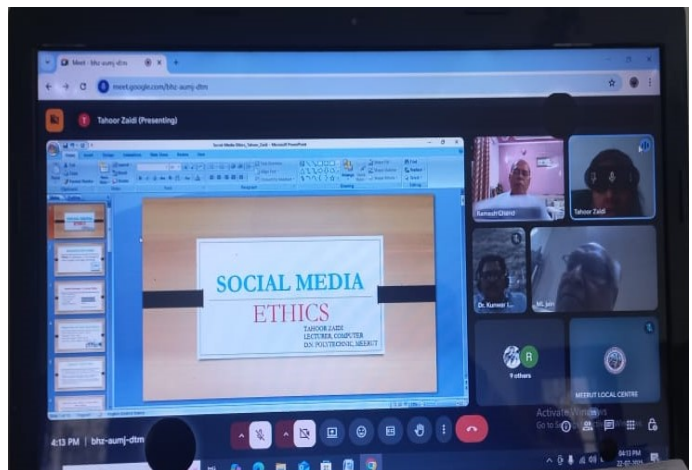
Prof. Sharma explained the environmental impact of microplastic with several illustrations of marine deaths in 1990s. The big challenge is that plastic have become an integral part of our daily lives with virtually everything we do. Much of the food and drink we consume involving the use of plastics in some form or the other. Our throwaway society is polluting large areas of the world's oceans with plastics threatening marine life and food chains. She told that over 400 millions tones of plastic is produced annually out of which 8 million tones enters the oceans. Microplastics are found in air, water and even human bodies.

Dr. Sharma suggested some solutions to the problem

- (I). Reduce the use of single-use plastic.
- (II). Dry waste be segregated, stored in secured place and sent for recycling or reuse.
- (III). Plastic can be used for construction of good quality and more durable roads.
- (IV). Fuel can be produced from waste plastic by pyrolysis process.
- (V). Choose products produced from sustainable materials.
- (VI). Plastic waste management is very important to control the plastic pollution.

The webinar concluded with a vote of thanks delivered by Er. S.C. Mittal, Honorary Secretary, Meerut Local Centre. The event was convened by Er. Rajneesh Kumar.

• Lecture Meeting on Social Media Ethics on 22-07-2025:



By

Ms Tahoor Zaidi

Social Media Ethics

A lecture meeting on Social Media Ethics was organized as a webinar on 22nd July 2025. Er. R.P. Agrawal, Chairman of the Centre, welcomed the corporate members and guests. Er. Ramesh Chand, Honorary Joint Secretary, introduced the subject of the webinar to the audience.

The keynote speaker for the session was Ms. Tahoor Zaidi, Lecturer in Computer Science, D.N. Polytechnic, Meerut.

Ms. Tahoor Zaidi began by explaining the definition of ethics and the principles related to social media. She elaborated on various social media platforms and highlighted their growing importance in modern communication. She emphasized the need for critical engagement with media reports — advising that reports should be read, understood, and reflected upon before forming opinions or taking action.

She discussed several key ethical issues related to social media, including:

- * Cyber bullying and trolling
- * Misinformation and fake news
- * Privacy violations
- * Hate speech and offensive content
- * Plagiarism and content theft

Ms. Zaidi concluded by highlighting the significance of professional and ethical use of social media in fields such as journalism, marketing, education, and healthcare, citing relevant examples.

The session concluded with a Vote of Thanks delivered by Er. S.C. Mittal, Honorary Secretary, Meerut Local Centre. The event was convened by Er. Ramesh Chand, Honorary Joint Secretary, Meerut Local Centre.

- **Celebration of the 79th Independence Day at LC Meerut:**



The 79th Independence Day was celebrated at the office of LC Meerut. The National Flag was hoisted by the Chairman of LC Meerut in the presence of members. The event was attended by 19 participants.

On this occasion, various speakers shared their views on the significance of the day. After the formal celebration, refreshments were served to all present.

- **Notice:**

Election Information

**THE INSTITUTION OF ENGINEERS (INDIA)
MEERUT LOCAL CENTRE**

**NOTICE
FOR ELECTION FROM DIVISIONS TO THE COMMITTEE OF THE
MEERUT LOCAL CENTRE
For the Sessions 2025-2026 & 2026-2027**

**To
All Corporate Members
Attached to Meerut Local Centre**

The members of the Committee of Meerut Local Centre of The Institution of Engineers (India) shall retire at the ensuing Annual General Meeting of the Meerut Local Centre. It is, therefore, necessary to hold election to fill up the vacancies caused thereby for the above-mentioned sessions in each Division as follows:

Aerospace Engg Division	: 1	Electronics & Telecom Engg. Division	: 2
Agricultural Engg Division	: 1	Environmental Engg Division	: 1
Architectural Engg Division	: 1	Marine Engg Division	: 1
Chemical Engg Division	: 1	Mechanical Engg Division	: 2
Civil Engg Division	: 3	Metallurgical & Materials Engg Division	: 1
Computer Engg Division	: 1	Mining Engg Division	: 0
Electrical Engg Division	: 2	Production Engg Division	: 1
		Textile Engg Division	: 1

Members retiring from the Committee of a State Centre or Local Centre after completion of six sessions at a stretch in any capacity, or having been elected for consecutive three tenure but not completing full six sessions due to any reason, shall not be eligible for election without giving a break of minimum two sessions.

Interested Corporate Members are hereby called upon to visit www.ieielections.in and submit their self-nominations online. While filling the online proforma, they would also be required to submit updated biodata (2000 characters) and non-refundable earnest money of ₹ 3000/- (Rupees Three Thousand) online. The last date for online submission of the self-nomination would be 21 September 2025.

A member attached to a Division shall be eligible to submit self-nomination for election only in that Division. The earnest money is payable online only.

N. B. The nomination submission procedure (including the remittance) is completely online and the candidates are not required to forward any hard copy for this purpose.

Election Time-Table

(a) Notification inviting self-nominations along with biodata and non-refundable Earnest money of the requisite amount from eligible Corporate Members	- 06-09-2025
(b) Last date of receipt of nominations along with enclosures	- 21-09-2025
(c) Scrutiny of Nominations and sending Intimation to nominees for withdrawal	- 23-09-2025
(d). Last date of withdrawal by nominees	- 30-09-2025
(e) Commencement of e-voting	- 02-10-2025
(f) Closing of the e-voting	- 16-10-2025
(g) Counting and publishing of result	- 17-10-2025
(h) Annual General meeting	- By 31-10-2025

Sd/-

Date: 30-08-2025

Er. Rajneesh Kumar
Convener

Board of Scrutineers for Election to the Committee of
Meerut Local Centre for the Sessions 2025-26 & 2026-27