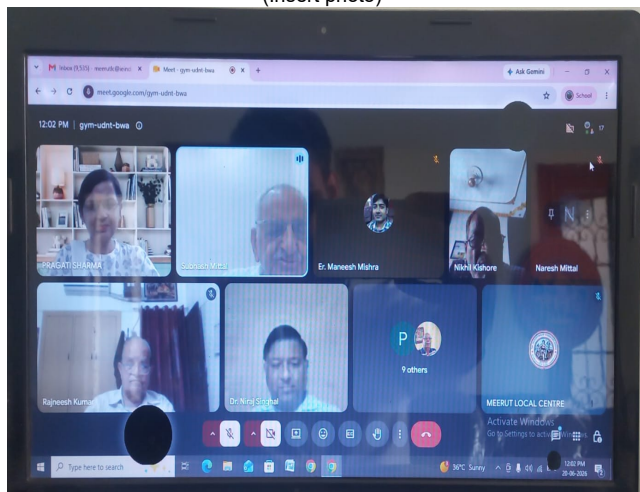


TECHNICAL ACTIVITY CARRIED OUT BY CENTRES / OVERSEAS CHAPTERS

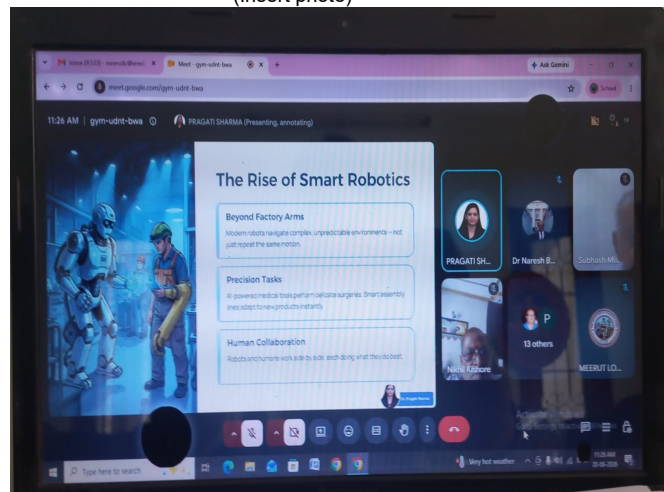
Name of Centre / Overseas Chapter:	Meerut Local Centre		
Title of Activity:	Lecture Meeting		
Activity under Divisional Board (delete which are not applicable):	Electronics & Communication Engg.		
Date:	20-06-2026	Venue:	On google meet from own place

(Insert photo)



Audience in Lecture Meeting

(Insert photo)



Speaker Delivering Talk

Brief Report:

Topic: Electronics with AI: The Future of Smart Systems

A Lecture meeting on the above subject was organized as a webinar on 20th June 2026, Er. S.C. Mittal, chairman of the centre, welcomed the corporate members and guests.

Er. Nikhil Kishore, Hony. Secretary started convening the meeting and introduced, guest speaker, Dr. Pragati Sharma, from S. D. College, Muzaffarnagar. Hony. Secretary also spoke on the subject of the deliberations of webinar Er. Kishore said that the convergence of Electronics and AI is revolutionizing the design and operations of modern smart systems. AI driven technologies are helping to enhance the capabilities of devices used in health care, Industries and transportation, consumer electronics and smart cities concept, Hony. Secretary invited Dr. Sharma to start her lecture.

Dr. Sharma started with a brief introduction on the subject. She said that The convergence of Electronics and Artificial Intelligence (AI) is revolutionizing the design and operation of modern smart systems. This lecture, "Electronics with AI: The Future of Smart Systems," explores how AI-driven technologies are enhancing the capabilities of electronic devices across diverse domains, including healthcare, industrial automation, transportation, consumer electronics, and smart cities. The session highlights the integration of machine learning algorithms, embedded intelligence, sensors, Internet of Things (IoT), and edge computing to create

adaptive, autonomous, and efficient systems. The lecture aims to inspire students, researchers, and professionals to understand the transformative potential of intelligent electronics in shaping the next generation of smart and sustainable technological solutions.

In her detailed lecture displayed on screen, she started with Evolution of Technology. She said in past, we used static circuits doing one specific job - programmed once and unchanged forever. The shift started from rigid programmed rules to intelligent, self improving patterns. Today we have living circuits, that learn, adapt and get better with every use.

Dr. Sharma further, explained, what is AI in electronics. She said that AI powered electronics don't just follow instructions - they sense their environment, think about what is happening, and act in response. She gave an example of light switch in smart homes that senses your arrival and lights get on due to AI.

Dr. Sharma explained benefits of AI merger with electronics. We get improved performance, smarter efficiency and true automation. Dr. Sharma said that in real world, we can come to our mobiles. Through AI, we get real image analysis, voice commands and predictive maintenance suggestions. AI also revolutionizes signal processing. We go from noise to clarity through AI.

AI is also responsible for the rise of smart robotics. Modern robots navigate complex, unpredictable environments. AI powered medical tools perform delicate surgeries. Robots and human work side by side, each doing, what they do best.

Dr. Sharma said that edge computing is the new frontier. AI gives instant response, decisions happen in milliseconds. AI helps in privacy first, your data stays on your device. AI functions even without an internet connection.

Dr. Sharma also told about future prospects, like quantum computing, sustainable electronics etc.

Dr. Sharma concluded with Future Prospects. The goal is to create technology that feels intuitive, invisible and human focused. Your challenge is to plan and build future smart systems.

In the end, Dr. Pragati Sharma replied to questions raised by Hony. Secretary Er. Nikhil Kishore and others. Er. Kishore spoke about challenges of AI in future.

To conclude the webinar, Hony. Secretary Er. Nikhil Kishore gave vote of thanks.