TECHNICAL ACTIVITY CARRIED OUT BY CENTRES / OVERSEAS CHAPTERS

Name of Centre / Overseas Chapter:	Meerut Local Centre

Title of Activity:	Engineers' Day

Activity under Divisional Board (delete which are not applicable):	Statutory Day	
Date:	15-09-2024	Venue:	Conference Hall, Administrative Block, SCRIET, Meerut

Title of photo: Dignitaries on Dais

Title of photo: Audience in Seminar Hall

Brief Report (**not exceeding 4000 characters**)

The 57th Engineers' Day was celebrated on Sept.15, 2024, at SCRIET, CCS University Meerut, commemorating the birth anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya. The event, organized by the Institution of Engineers (India) Meerut Local Centre in collaboration with SCRIET, began with Er. Manish Mishra, University Engineer and convener, inviting delegates to garland Sir MV's portrait and light the ceremonial lamp.

Er. R.P. Agrawal welcomed the Chief Guest, Dr. Arpit Chhabra, Senior System Analyst at SCRIET, and speakers Er. Rakesh Kumar Pandey and Er. Pravin Kumar.

Er. S.C. Mittal, Hon. Secretary, presented a brief on the life and achievements of Sir MV:

Bharat Ratna Sir Mokshagundam Visvesvaraya , born on Sep.15,1861 in Muddenahalli, Karnataka, was a visionary Indian civil engineer. He earned a BA degree from the University of Madras and a Civil Engineering degree from Pune. Known for designing the Krishna Raja Sagara (KRS) Dam and pioneering the Block System of irrigation, he revolutionized water management and infrastructure in India. As Diwan of Mysore (1912-1918), he established the Mysore Iron and Steel Works and modernized railways. Knighted in 1915, he authored key works on India's development. Honoured with the Bharat Ratna in 1955, he remains an inspiration for engineers, with his birthday celebrated as Engineers' Day every year.

Er. Rakesh Kumar Pandey, Assistant Professor, Dept. of Electronics & Instrumentation Engineering, Sir Chhotu Ram Institute of Engineering & Technology, Chaudhary Charan Singh University (Campus), Meerut, Uttar Pradesh has given a presentation on " Engineering Solutions for Sustainability with Latest AI Driven Technologies " He presented that Sustainability refers to development that meets present needs without compromising future generations. Sustainable engineering integrates environmental, social, and economic aspects, focusing on long-term, global impacts, unlike traditional engineering's short-term, local focus. Key principles include reducing resource consumption, reusing and recycling materials, and utilizing renewable energy. AI-driven technologies optimize sustainable design, energy efficiency, and resource

management in fields like renewable energy, waste management, and smart cities. Engineers play a critical role in addressing global challenges like climate change, pollution, and resource depletion, driving sustainable development through innovation and collaboration for a livable future.

Er. Pravin Kumar, Asst. Professor, SCRIET, CCSU, MEERUT has given a presentation on " Driving Sustainability with Engineering Solutions Embracing the Latest Technology "　He presented that the sustainable engineering designs systems to minimize environmental impact while meeting human needs. Artificial Intelligence (AI) enhances this by improving efficiency, reducing waste, and optimizing resource usage. AI plays a key role in achieving the United Nations' Sustainable Development Goals (SDGs), such as climate action, clean energy, and sustainable cities. It aids climate modeling, wildlife protection, smart grids, and precision agriculture. AI supports sustainable urban planning by optimizing traffic, water management, and recycling. In the circular economy, AI extends product lifecycles, improves material recovery, and reduces supply chain impact. Ethical AI requires addressing bias, minimizing energy use, and establishing responsible governance.

Dr. Chhabra expressed concerns about the rise in cybercrime while appreciating the event's theme.

Er. Mittal thanked the Chief Guest, speakers, attendees, and Dr. Laxmi Shankar for ensuring the event's success.