

57th ENGINEERS' DAY

Theme: Driving Sustainability with Engineering Solutions Embracing the Latest AI Driven Technologies

September 15 is celebrated every year in the country since the year 1967 as "Engineers' Day" to commemorate the birthday of the legendary engineer

Sir Mokshagundam Visvesvaraya. Sir Visvesvaraya, an eminent Indian engineer and statesman was born in a remote village of Karnataka, the State that is incidentally now the Hi-tech State of the country. Due to his outstanding contribution to the society, Government of India conferred "Bharat Ratna" on this legend in the year 1955. He was also called the precursor of economic planning in India. His learned discourse on Economic Planning in India, Planned Economy for India and Reconstructing India, was the first available document on the planning effort of the country



Bharat Ratna Sir M Visvesvaraya

and it is still held as the parent source matter for economic planners. A theme of national importance is chosen every year by the Council of the Institution and deliberated at its various State/Local Centres to educate the engineering fraternity in general and the society in particular. This year the 56th Engineers' Day will be celebrated all over the country on the theme "**Driving Sustainability with Engineering Solutions Embracing the Latest AI-driven Technologies**".

The Institution of Engineers (India) will celebrate the 57th Engineers' Day on September 15, commemorating the 163rd birthday of Bharat Ratna Sir

Mokshagundam Visvesvaraya. This day not only honors his pioneering spirit but also serves as a tribute to engineers worldwide, whose innovations and dedication shape our modern world. This year's theme, "Driving Sustainability with Engineering Solutions Embracing the Latest AI-driven Technologies," underscores the pivotal role of engineering in solving global challenges.

AI is revolutionizing our journey towards sustainability. In the fight against climate change, AI enhances predictive models, enabling better preparation for extreme weather and optimizing renewable energy use. In agriculture, AI-driven analytics are transforming crop management, leading to higher yields and a smaller environmental footprint. Urban areas benefit immensely from AI-powered traffic systems that reduce congestion and emissions, while intelligent waste management systems ensure efficient recycling.

Furthermore, AI is the key to optimizing resource management, from water to manufacturing processes, ensuring maximum efficiency and minimal waste. These advancements highlight the profound impact AI has on creating sustainable solutions for a brighter future. The integration of AI interfaces in sustainable engineering solutions has unlocked new realms of innovation. AI-driven platforms enable real-time monitoring and analysis, providing engineers with critical insights for informed decision-making. From smart grids that balance energy loads to adaptive systems that respond to environmental changes, AI interfaces enhance the effectiveness of sustainable engineering practices.

The Institution of Engineers (India) calls upon all State and Local Centres and associated entities to celebrate Engineers' Day in a grand and befitting manner. Let us honour the innovative spirit and contributions of engineers who are driving sustainability through cutting-edge AI-driven technologies. Together, we can pave the way for a greener and more sustainable tomorrow. Join the movement, celebrate innovation, and be part of the change!