

Title	Guest Talk on “<u>TEDx ON THE JOURNEY OF TRAIN 18</u>”	
Department	Department of Mechanical Engineering	
Date	From: 16/08/2023	
Time	From:10 am	To:11 am
Brief Description	<p>Introduction: The Journey of Train 18, the Vande Bharat Express, is not just the story of making of India's first world class, semi-high, engine-less train completely conceptualized, designed, developed, manufactured and tested in India in a record time of 18 months. Train 18, also known as Vande Bharat Express, is an Indian semi-high-speed train. It was designed and built by the Integral Coach Factory (ICF) in Chennai, India. The train is known for its modern features, energy efficiency, and aerodynamic design. It was intended to be a flagship train for the Indian Railways, showcasing indigenous technology and design capabilities.</p> <p>Train 18's journey began with the aim of addressing the need for faster and more comfortable rail travel in India. The train's development aimed to reduce travel time, improve passenger comfort, and demonstrate India's technical capabilities in the railway sector.</p> <p>Key features of Train 18 include:</p> <ol style="list-style-type: none"> 1. Aerodynamic Design: The train's sleek design reduces air resistance, allowing it to achieve higher speeds with less energy consumption. 2. Energy Efficiency: Train 18 is designed to be more energy-efficient compared to conventional trains, with features like regenerative braking that helps recover energy during deceleration. 3. Modern Interiors: The train's interiors are equipped with modern amenities, including spacious seating, LED lighting, GPS-based passenger information systems, and Wi-Fi. 4. Improved Safety: The train incorporates various safety features, including fire-resistant materials and anti-climbing features to prevent accidents in case of derailment. 5. Higher Speeds: While not a high-speed train by international standards, Train 18 is capable of running at speeds of up to 160 km/h (99 mph), reducing travel times on certain routes. 6. Indigenous Manufacturing: Train 18 is a point of pride for India as it was developed by the Indian Railways' Integral Coach Factory in Chennai, showcasing the country's ability to design and manufacture advanced railway technology. <p>Sudhanushu Mani did indeed gave a TEDx talk on the journey of Train 18, it would likely delve into the technical, historical, and developmental aspects of this project. I recommend checking official TEDx event listings, YouTube, or other platforms for any recordings or information related to this specific talk.</p>	

	<p>Description:</p> <p>In a world where time is of the essence and connectivity is paramount, the story of Train 18 stands as a testament to human ingenuity and relentless pursuit of excellence. As we gather here, let us embark on a virtual journey that mirrors the evolution of technology, the power of innovation, and the courage to challenge conventions.</p> <p>Sudhanushu Mani, a name synonymous with innovation in the realm of transportation, has devoted his career to pushing the boundaries of what's possible. His dedication has not only reshaped the way we think about trains but has also redefined the benchmarks of speed, comfort, and sustainability.</p> <p>Train 18, often hailed as a "Made in India" marvel, is a high-speed, self-propelled train that exemplifies cutting-edge design and engineering. With aerodynamic contours and state-of-the-art amenities, it blurs the lines between luxury and efficiency. The story behind Train 18 is more than just the development of a train; it's a narrative of perseverance, teamwork, and the pursuit of a dream.</p> <p>Through this TEDx talk, Sudhanushu Mani took us through the conception, challenges, and triumphs that paved the way for Train 18. From the inception of the idea to the rigorous testing phases and finally witnessing the train glide seamlessly on the tracks, he unravelled the layers of dedication, brilliance, and innovation that has brought us to this point.</p> <p>Conclusion:</p> <p>In conclusion, the journey of Train 18 is more than a tale of a train. It's a metaphor for human potential and the boundless capacity to turn dreams into reality. Let's draw inspiration from this remarkable journey as we embark on our own paths, whether they be in the field of technology, innovation, or any other endeavor we choose to pursue. As Sudhanushu Mani's narrative has shown us, the only limits that exist are the ones we place upon ourselves.</p>
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