



## **DEDICATED FREIGHT CORRIDOR CORPORATION**

NEW DELHI  
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### **PRESS RELEASE**

#### **MOU FOR DEVELOPMENT OF MACHINE VISION BASED INSPECTION SYSTEM (MVIS) FOR MONITORING ROLLING STOCK HEALTH WAS INKED BETWEEN DFCCIL & IISC TODAY**

#### **MVIS, A FIRST FOR INDIAN RAILWAYS WILL ENHANCE SAFE OPERATIONS OF FREIGHT STOCK BY REDUCING UNTOWARD INCIDENTS/ACCIDENTS**



A Memorandum of Understanding (MoU) for the development of Machine Vision Based Inspection System (MVIS) for monitoring rolling stock health was inked between Dedicated Freight Corridor Corporation of India Limited (DFCCIL) & Indian Institute of Science (IISc), Bengaluru today at IISc in the presence of Sh. Ravindra Kumar Jain, Managing Director of DFCCIL and Sh. Govindan Rangarajan, Director of IISc. Sh Nanduri Srinivas, Director OP&BD, Sh Hari Mohan Gupta,

Director Infrastructure, Sh Hira Ballabh, Director Finance were among the other senior officers of DFCCIL and senior faculty of IISc who were present on the occasion.

Sh Ashwini Vaishnaw, Hon'ble Minister of Railways, Communication and Electronics & Information Technology has urged startups to join hands with Railways in providing technological solutions to problems. Startups should develop Proof of Concept (POC) and develop products not just for India, but for the world. MVIS is one such solution. It's a relatively new and emerging technology with Artificial Intelligence (AI) / Machine Learning capabilities. The system will capture the image of under-gear of moving trains and generate alerts in case any hanging, loose or missing components are detected. This will greatly enhance safe operations and help in avoiding any untoward incidences/accidents. MVIS for freight stock is not installed anywhere on Indian Railways till date.

One of the objectives of DFCCIL is to introduce modern technologies. The signing of this MoU is poised to open avenues for improving safety on DFCCIL. The signing of this MOU is not only a step towards meeting the above mentioned objective of DFCCIL but is also in line with the guiding principle of IISc. This MoU also fulfills in letter and spirit the Government of India's policy of "Make in India" and "Atamnirbhar Bharat" to develop technologies and solutions in India and take it all over the world.