



DEDICATED FREIGHT CORRIDOR CORPORATION

**NEW DELHI
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PRESS RELEASE

DFCCIL IN ASSOCIATION WITH IISC AND IISC STARTUP IS ORGANISING A TWO-DAY POSTER EXHIBITION SHOWCASING DIGITAL RAIL INNOVATIONS AT CORPORATE OFFICE, NEW DELHI

A MOU FOR DEVELOPMENT OF MACHINE VISION BASED INSPECTION SYSTEM (MVIS) FOR MONITORING ROLLING STOCK HEALTH & ENHANCING SAFE OPERATIONS BY REDUCING UNTOWARD INCIDENTS/ACCIDENTS WAS INKED BETWEEN DFCCIL & IISC ON 22.03.2022



DFCCIL in association with Indian Institute of Science IISc, Bengaluru and IISc start-up L2M Rail has organised a two -day poster exhibition on 26th & 27th April 2022 to showcase ideas and innovations for digital rail-based solutions. Sh RK Jain MD DFCCIL, Sh N Srinivas Dir/OP&BD, Sh Pankaj Saxena Dir/PP & other senior DFCCIL & Indian Railway officials displayed a keen interest in the solutions. Dr. T. V. Prabhakar, Principal Research Scientist, IISc, Prof SK Sinha, Chairman & Chief Architect, Sh S Rao Ganapa from L2M Rail were present on the occasion. The innovations showcased were next generation data capturing sensors like Fibre Bragg Grating (FBG) sensors, contact less sensors, nano sensors & use of Artificial Intelligence (AI)/Machine Learning (ML) in freight operations. DFCCIL plans to leverage artificial intelligence and data analytics in a big way for improving operational efficiency & maintenance of systems and assets across its alignment.

Earlier, 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 on 22,03.2022. MVIS, a relatively new and emerging technology with Artificial Intelligence (AI) / Machine Learning capabilities 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. The MoU also fulfills in letter and spirit the Government of India's policy of "Make in India" and "Atamirbhar Bharat" to develop technologies and solutions in India and take it all over the world.