Pilot Project for ushering in 'Industry 4.0' in the country, is launched for implementation at the Modern Coach Factory (MCF), Raebareli

News

The Ministry of Railways and Department of Science & Technology have joined hands in partnership with IIT Kanpur for taking up a unique project on ‘Industry 4.0’ by launching a Pilot Project for implementation at Modern Coach Factory, Raebareli.

‘Industry 4.0’:

‘Industry 4.0’ commonly referred to as the fourth industrial revolution, is a name given to the current trend of automation, interconnectivity and data exchange in manufacturing technologies to increase productivity. Industry 4.0 is a complex Cyber-Physical Systems which synergizes production with digital technologies, the Internet of Things, Artificial Intelligence, Big Data & Analytics, Machine Learning and Cloud Computing.

The project launched today would be undertaken under the aegis of “Technology Mission for Indian Railways” (TMIR). It would be implemented by a consortium of Ministry of Railways, Ministry of Human Resource Development and Ministry of Science & Technology on an investment sharing model for taking up identified railway projects for applied research and use on Indian Railways for advancement and modernization.

In view of the continuous demand for higher speed coaches with comfort of international level and to meet the demand of a continuously growing economy, there is a need to employ the tools which will improve the productivity to next higher level with greater product flexibility.

Industry 4.0 would be based cyber/physical digital system and would involve various packages, systems, applications and Hardware within Design/Planning, Networking and Production to be added in a modular and incremental manner in MCF.