

GITAM DEEMED TO BE UNIVERSITY

VISAKHAPATNAM

REAL-TIMES TRACKING OF RESOURCES POSSIBLE IN INDUSTRIES

Smart manufacturing can be considered the pursuit of data-driven manufacturing, where real-time data from sensors in the factory can be analysed to inform decision-making particularly real-times tracking of resources, waste and emissions in a factory is possible with smart manufacturing, said by Prof. Amaresh Chakrabarti, Sr. Professor & Chairman, Centre for Product Design and Manufacturing, IISc, Bengalore here at GITAM Deemed University on Monday.

He participated as Chief Guest to deliver Dr. V. Bhujanga Rao 7th Endowment Lecture on “**Industry 4.0: Smart Monitoring of Manufacturing and Beyond**” jointly organised by GITAM Mechanical Engineering Department and Condition Monitoring Society of India (CMSI) at GITAM Campus. Prof.Amaresh Chakrabarthi mentioned that under smart monitoring of manufacturing asset tracking is possible like where a tool is, and combining information on the tool, its proximity to the specific worker, and the information on the manufacturing step, worker assigned and required tool tell whether the tool being picked up is the right one for the job: thereby tracking productivity. Smart Manufacturing is a intensified application of networked information technologies throughout manufacturing plants and their supply chain enterprises, he added. He emphasized on smart manufacturing can be multi-layer in smart industry where machines are self-aware and full automatic material handling systems.

ISRO Chair Professor, former Director General (NS & M), DRDO, New Delhi Dr. V. Bhujanga Rao mentioned that the smart materials are advance in present scenario and how the monitoring is done through latest systems which are benefited to India, various Govt. Organization and collaboration of interdisciplinary sectors.

NSTL Associate Director, Scientist “G” and Senior Vice President-CMSI (Condition Monitoring Society of India) Dr. PVS Ganesh Kumar briefed about the CMSI activities and said informed about the importance of health monitoring of machinery in real time and emphasize how the Society is supportive for the present scenario challenges and present research developments in condition monitoring.

GITAM Vice-Chancellor Prof. MSPrasada Rao said that the employability ratio can come only through the Manufacturing Sector and the mechanical engineers have good number of opportunities in Manufacturing Sector and employability in further will be achieved through core branches.GITAM Institute of Technology Principal Prof.K.LakshmiPrasad, Mechanical Engineering Department Head Prof.MRSSatyanarayana and others participated in the program.

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