

International Summer School- Manipal University Jaipur [ISSMUJ]-2025

[Hybrid Mode]



Course Overview

Name of Project- Implementation of reinforcement learning on Industrial Systems

Name of instructor: Dr. Ashok Kumar Kumawat

Session: May-July 2025

Language of instruction: English

Number of contact hours: 36

Credit awarded: 03

Prerequisite: Basic MATLAB/Python programming

Objective of Course/Project:

1. Mathematical model development of the industrial system
2. Development of the control algorithm
3. MATLAB/experimental implementation

Brief profile of the instructor:



Dr. Ashok Kumar Kumawat is working as an Assistant Professor with Department of Mechatronics Engineering, Manipal University Jaipur, Rajasthan, India. He received B. Tech degree in Electronic Instrumentation & Control from Rajasthan Technical University, Kota, India, in 2010 and M.Tech degree in Control & Instrumentation from the Delhi Technological University, New Delhi, India, in 2014. He implemented nonlinear control algorithms for industrial hydraulic systems. His research interests include industrial instrumentation & nonlinear control, cyber physical system, and AI & ML.

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