

**STVC on Artificial Intelligence in Robotics
(December 3- 31, 2022)**

Examination scheduled on December 31, 2022 at 8.00 PM

Classes/Lectures	Dates	Days	Time (IST)	Title of the Lecture
Lecture-1	3.12.2022	Saturday	7:00 PM - 9:00 PM	Introduction to Human Intelligence (HI), Artificial Intelligence (AI), Computational Intelligence (CI), Merits and demerits of AI, Applications of CI in developing intelligent Robots
Lecture-2	10.12.2022	Saturday	7:00 PM - 9:00 PM	Introduction to Artificial Neural Networks and different learning algorithms
Lecture-3	11.12.2022	Sunday	7:00 PM - 9:00 PM	Introduction to Fuzzy Sets and Fuzzy Reasoning Tools
Lecture-4	18.12.2022	Sunday	7:00 PM - 9:00 PM	Introduction to Nature-inspired Optimization Tools
Lecture-5	24.12.2022	Saturday	7:00 PM - 9:00 PM	Introduction to Robots and Robotics
Lecture-6 and MCQ	31.12.2022	Saturday	7:00 PM - 8:00 PM	Robot Vision, Multi-Sensors data fusion, Adaptive Motion Planner, Adaptive Controller, Video on the experimental results of one recently developed Robot
			8:00 PM- 9:00 PM	Online Examination using MCQs