Timetable for AI and Intelligent Robots Course

Week No	Week days	Dates	Time	Course contents
Week 19	Monday	1/7/2024	10:10 – 12:00	Lecture 0: Introduction1
	Monday	1/7/2024	14:30 – 16:20	Lecture 1: Introduction2
	Wednesday	3/7/2024	10:10 – 12:00	Lab 1: Installation of Oracle VM VirtualBox, Ubuntu 18.04, ROS Melodic
	Wednesday	3/7/2024	14:30 – 16:20	Lecture 2: Robot Operating System
	Friday	5/7/2024	10:10 – 12:00	Lab 2: Robot Operating System: Part A
Week 20	Monday	8/7/2024	10:10 – 12:00	Lab 3: Robot Operating System: Part B
	Monday	8/7/2024	14:30 – 16:20	Lecture 3: Robot platform and mobility
	Wednesday	10/7/2024	10:10 – 12:00	Lecture 4: Internal sensors for mobility
	Wednesday	10/7/2024	14:30 – 16:20	Lecture 5: External sensors for navigation1
	Friday	12/7/2024	10:10 – 12:00	Lecture 6: External sensors for navigation2
Week 21	Monday	15/7/2024	10:10 – 12:00	Lecture 7: Robot navigation and path planning
	Monday	15/7/2024	14:30 – 16:20	Lecture 8: Robot knowledge and mapping
	Wednesday	17/7/2024	10:10 – 12:00	Lab 4: Robot trajectory and velocity
	Wednesday	17/7/2024	14:30 – 16:20	Lab 5: Laser scanner for navigation
	Friday	19/7/2024	10:10 – 12:00	Lab 6: PID controller for robot navigation
Week 22	Monday	22/7/2024	10:10 – 12:00	Lab 7: Fuzzy controller for robot navigation
	Monday	22/7/2024	14:30 – 16:20	Lecture 9: Building robot behaviour
	Wednesday	24/7/2024	10:10 – 12:00	Lecture 10: Robot software architecture
	Wednesday	24/7/2024	14:30 – 16:20	Lecture 11: Typical Intelligent Robots of XJTU
	Friday	26/7/2024	10:10 – 12:00	Lab 8: Write the report about the Lab results

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