Agni College of Technology
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OMR, Thalambur, Chennai - 600130, www.act.edu.in

VENDORS NAME: PRAG ROBOTICS

CLASS: IV MECHATRONICS (Seventh Semester)

SUBJECT: INDUSTRIAL ROBOTICS TRAINING

	P	Types of Robot Programming
	P	How to make the best use of simulation in Robotics?
	P	Difference between proprietary and open source simulation tools
8		**Jogging a Robot from point to point**
	P	Station View
	P	How to add robots to work with them?
	P	How to Control Robots?
	P	Types of Robot Motion
	P	Robot Jogging
9		**Creating a Robot Application**
	P	How to add a robot in Robot Studio?
	P	How to create targets & paths for these robots?
	P	How to create a material handling application using targets and paths?
10		**Where can Industrial Robots be used?**
	P	Material Handling
	P	Path Planning
	P	Dispensing
11		**Intro to Service Robotics**
	T	History of Service Robots
	T	Who makes Service Robots
	T	Your Scope in Service Robotics
12		**Design & Modelling of Mobile Robot**
	T	Conceptual Design of Mobile Robots
	T	Stability Aspects of Mobile Robots
	P	Implementation of Robot Chassis Design
13		**Programming a robot with sensor fusion**
	T	Principles & Significance of Sensor Fusion
	P	Visualization of output in Sensor Fusion
	P	Implementation of Sensor Fusion in Robotics
14		**Fundamentals of Perception, Localization and Mapping**
	P	Robot Map Building
	P	Occupancy Grid Map
	P	Implementation in Robot Maze