

Faculty of Engineering & Technology

Introduction to Robotics

Information :

Course Code : EED423

Level : Undergraduate

Course Hours : 2.00- Hours

Department : Computer & Intelligent Systems Engineering

Instructor Information :

Title	Name	Office hours
Associate Professor	MOHAMED ABDELBAR SHAMSELDIN ALY	
Assistant Lecturer	Donia Waheed Mohamed Abdelmonem Saleem	

Description :

Robotics overview and applications. Homogeneous vector and plane. Homogeneous transformation. Position and orientation transformations. Kinematics and inverse kinematic solutions of robot manipulators and mobile robot. Robot programming using standard S/W robotics tools (MATEXP.) Implementation the right industrial robotics system for a plant.