

## Faculty of Engineering & Technology

## Introduction to Robotics

Information :

Course Code : EED4	Lev	vel :	Undergraduate	Course Hours :	2.00- Hours		
Department : Computer & Intelligent Systems Engineering							
Instructor Information :							
Title	Na	me			Office hours		

The	Name	Office hours
Lecturer	MOHAMED ABDELBAR SHAMSELDIN ALY	
Teaching Assistant	Alaa Mostafa Arafa Afify Lashin	

## **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.