VISHWAKARMA INSTITUE OF TECHNOLOGY

DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES

PSAP PROJECT BATCH No:-2	**PSAP PROJECT GROUP No:-I6**	**ACADEMIC YEAR 2022-23**	**SEMESTER-1**
TITLE OF PROJECT	Sequencing of motors		
DOMAIN	RMAE		
TOOLS	Motors, motor drivers, Arduino UNO, Batteries		
TECHNOLOGY	C language to code the Arduino		
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In this project, we aim to control three Dc motors using an Arduino UNO and motor drivers.

Hardware:

- Arduino UNO Board
- 3 DC motors
- 3 Motor Drivers
- Bread Board
- Jumper Wires
- Main Switch

Working:

When the main switch is turned ON, the Arduino's digital output pin 1 will send a HIFH signal to Motor driver 1, which will start Motor 1. After a delay, the Arduino's digital output pin 1 will send a LOW signal, which will stop Motor1. At the same time, the Arduino's digital output pin 2 will send a HIGH signal to Motor driver 2, which will start Motor 2. After another delay, the Arduino's digital output pin 2 will send a LOW signal, which will stop Motor 2. At the same time, Th Arduino's digital output pin 3 will send a HIGH signal to Motor driver 3, which will start Motor 3.

When the main switch is turned OFF, the Arduino's digital output pins will send LOW signals to all Motor drivers, stopping all motors.