A1.06.01.- Activity Card

Workshop Title	A1.06.01. Robot Programming
Level	A1
Duration	3 hours
Goals	Enabling the robot to produce sound, display text, sound, and images on its screen, and successfully performing object manipulation tasks.
Workshop Outputs	1- Understanding the concept of loop blocks through learning various applications in practice.
	2- Learning how to display text, shapes, and images on the smart brick of a robot.
	3- Learning the blocks used for a robot to produce various sounds.
	4- Designing a robot with a medium motor to carry an object.
	5- Learning the algorithmic logic and blocks required for a robot to carry an object.
	6- Learning how to calculate the necessary distances for a robot to carry an object.
Required Materials	1-Computer
	2-Lego Mindstorms Ev3 Robot Kit
Description of Activity	In the EV3 program, the usage and examples of blocks from the "Action" tab, including the large motor, sound, display, brick status light, and from the "Flow Control" tab, wait, loop, and wait interrupt blocks, are learned and illustrated.
Additional Documents	A1.06.01.pdf