LEGO EV3- VAMA EDTECH

Sr No	Topic	Learning Outcome
1.	Introduction to EV3	Introduction + DRIVING BASE+ Forward and Backward Movements
2.	Steering turns	How to steer the driving base, pivot turns
3.	Motor stop and turn	motor stops turn, +maze
4.	Mouse trap	MOUSE TRAP with Touch Sensor, understanding of how sensors work
5.	Ultrasonic sensor	Driving base with ultrasonic sensor and edge detection
6.	Color sensor	Intro to color sensor and programming
7.	Robot Arm Construction	Robot Arm Construction with touch and color sensor. This will continued for the next session.
8.	Robot Arm Construction	Robot Arm Construction Finished
9.	Guitar construction	Guitar construction with ultrasonic sensor. Various sounds are produced at distinct levels. Construction & programming will be continued in the next session.
10.	Guitar construction & programming	Programming will be done to produce different sounds with the ultrasonic sensor.
11.	Gyro sensor	Introduction to gyro sensor with tank bot programming.
12.	Revision of all sensors Attribute	Driving base with all sensor's revision
13.	Fan building with gear ratio	Fan construction with gear ratio and ultrasonic sensor.
14.	Forklift	Forklift construction and programming
15.	Challenge	Final challenge

