

LEGO WEDO2.0 CURRICULUM – VAMA EDTECH

SR NO	TOPIC	LEARNING OUTCOME
1.	Introduction & Dancing Birds	Build & program 2 mechanical birds that make sounds and are motorized to dance using pulley & belt drive system.
2.	Roaring Lion	Build & program a mechanical lion that makes noises & is motorized to lift and sit down. Understand crown gear.
3.	Smart Spinner	Build & program spinner mechanism that is motorized to spin & release. Motion sensor is used. Make a smart spinner / fidget spinner
4.	Goalkeeper	Build & program a mechanical goalkeeper that will save goals from entering the net
5.	Drumming Monkey	Build & program a mechanical monkey with motorized arms to create the drumming sounds. the sounds can be varied with the change in the code.
6.	Hungry Alligator	Build & program a mechanical alligator that makes sounds and is motorized to open and close its jaws. Understand how the motion sensor works and how it can be used for opening and closing the jaws of the alligator.
7.	Cheerful Fans	Build & program mechanical soccer fans that make cheering noises and are programmed to jump up & down. Understand working of cams
8.	Flood Gate	Build and program a flood gate that can be used to stop floods. Understand the concept of bevel gear that can change the axis of rotation allowing floodgate to open & close.
9.	Pull Bot	Build & program a pull bot. Learn the concepts of pull & push
10.	Race Car	Build & Program a race car to optimize speed. Use a pulley system to increase & decrease the speed.