



# ROBOTIC TIER-2 CURRICULUM

## Session Plan Overview



S.No.	Session Name	Class Topics	Tool Used
1	<b>Intro to Python and simulator</b>	<ul style="list-style-type: none"> <li>• Introduction to simulator</li> <li>• Basic python syntax</li> </ul>	MoonTinker Simulator
2	<b>Blinking LED</b>	<ul style="list-style-type: none"> <li>• Single LED and resistor</li> <li>• Variable</li> <li>• Loops</li> </ul>	MoonTinker Simulator
3	<b>LED Patten</b>	<ul style="list-style-type: none"> <li>• Multiple LEDs</li> <li>• variables and algorithms</li> </ul>	MoonTinker Simulator
4	<b>Slideswitch</b>	<ul style="list-style-type: none"> <li>• Understanding sensors</li> <li>• Reading data</li> <li>• Conditional commands</li> </ul>	MoonTinker Simulator
5	<b>Slideswitch, LED, Buzzer</b>	<ul style="list-style-type: none"> <li>• Integration of 2 or more components</li> <li>• Logical operator</li> </ul>	MoonTinker Simulator
6	<b>LDR</b>	<ul style="list-style-type: none"> <li>• Underatnding LDR (light sensor)</li> <li>• Working, reading data, printing messages</li> </ul>	MoonTinker Simulator
7	<b>Mini Project</b>	<ul style="list-style-type: none"> <li>• Automatic Night Lamp Project</li> </ul>	MoonTinker Simulator
8	<b>Mini Project showcase</b>	<ul style="list-style-type: none"> <li>• Build an independent project and showcase in the class</li> </ul>	MoonTinker Simulator