Tier-1 Robotics 12-Month Curriculum - Stage 1

SESSION NUMBER	SESSION NAME
Session 1	Introduction
Session 2	Slide switch and If else in programmimg
Session 3	Potentiometer (TinkerCAD)
Session 4	RGB LED and slide switch
Session 5	Introduction to Arduino & Installation of IDE
Session 6	Kit unboxing and verification
Session 7	Introduction to ELB
Session 8	Movement Record
Session 9	Serial Monitor- Part I
Session 10	Serial Monitor- Part II
Session 11	IR sensor
Session 12	Potentiometer and analogRead
Session 13	LM35 temp sensor
Session 14	PWM (analogWrite)
Session 15	LED brightness control using potentiometer and UNO
Session 16	Loops in C++
Session 17	Loops in C++
Session 18	Alphanumeric display (16x2 LCD) Part I
Session 19	Alphanumeric display (16x2 LCD) Part II
Session 20	7 Segment
Session 21	Introduction to LDR
Session 22	Servo Motor
Session 23	Digital Thermometer
Session 24	Ultrasonic Sensor
Session 25	Jackpot Machine
Session 26	Digital Dice
Session 27	Programmimg concepts
Session 28	Logical operators
Session 29	Circuit debugging - Part I (DMM)
Session 30	Circuit debugging - Part II
Session 31	Project 1
Session 32	Project 2
Session 33	Project 3 - Part I
Session 34	Project 3 - Part II
Session 35	Project 4 - Part I
Session 36	Project 4 - Part II
Session 37	Project 4 - Part III
Session 38	Project 4 - Part IV
Session 39	Miscellaneous (Optional)

Disclaimer

** 1. The curriculum is subjected to changes and upgradation as per the feedback received from our customers.

2. Project and activities will depend on the type of course and tier.

3. Moonpreneur reserves all the rights to update its curriculum at any given point in time.

Tier-1 Robotics 12-Month Curriculum- Stage 2

SESSION NUMBER	SESSION NAME
Session 1	Identify user's need
Session 2	define problem
Session 3	Ideation
Session 4	Gathering Components
Session 5	Preparation
Session 6	Prototyping Session 1
Session 7	Prototyping Session 2
Session 8	Prototyping Session 3
Session 9	Testing 1
Session 10	Testing 2
Session 11	Testing 3
Session 12	Final Evaluation
Session 13	Planning Future Prospects

Disclaimer

** 1. The curriculum is subjected to changes and upgradation as per the feedback received from our customers.

2. Project and activities will depend on the type of course and tier.

3. Moonpreneur reserves all the rights to update its curriculum at any given point in time.