



## Microbit Tier 1 (Stage 1)

SESSION NUMBER	SESSION NAME
Session 1	Introduction to ZOOM and Microbit Python Editor
Session 2	Mathematical operators
Session 3	Introduction to Variables
Session 4	Introduction to If..Else.. (Control Statements-1)
Session 5	Introduction to If-Elif-Else (Control Statements-2)
Session 6	Mini Project 1
Session 7	Python Syntax - Part I
Session 8	Python Syntax - Part II
Session 9	User Input in Python
Session 10	Assesment 1
Session 11	Loops (While)
Session 12	Loops (For loop)
Session 13	Mini Project
Session 14	Assessment-2
Session 15	Introduction to Microbit (hardware) and flashing code into it.
Session 16	Working with digital input
Session 17	Working with digital input
Session 18	Exploring the temperature sensor
Session 19	Miniproject
Session 20	Exploring the Light sensor
Session 21	Understanding the accelerometer sensor
Session 22	Sound Generation
Session 23	Assessment-3
Session 24	Introduction to Microphone
Session 25	Introduction to inbuilt compass
Session 26	Data types
Session 27	List (arrays)
Session 28	Function and Modules
Session 29	Random module in Python - Project
Session 30	Radio module
Session 31	String manipulation
Session 32	Text input and output
Session 33	Assessment-4
Session 34	External sensor interfacing with Microbit-1
Session 35	External sensor interfacing with Microbit-2
Session 36	External sensor interfacing with Microbit-3
Session 37	MiniProject
Session 38	MicroPython - Advanced Concepts-1
Session 39	MicroPython - Advanced Concepts-2

### 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.



## Microbit Tier 1 (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

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