

RYSERA INTERMEDIATE COURSE

Course Flow

13 Sessions • 6+ Weeks

Starting Wednesday, 11 March 2026

Workshop Saturday • Hands-On • Physical Venue
Lecture Wednesday • Recorded Video

Course Flow

13 sessions across 6+ weeks — Wednesday recorded lectures and Saturday hands-on workshops at 3:00 PM.

Date	Field	Title	Brief	Lecturer	Status
11 Mar 2026	Electronics Lecture	Day 01 — Foundations and First Sparks	Ice-breaking session and introduction to core electronic components.	Agra	LIVE
14 Mar 2026	CS Lecture	Day 01 — Bridging Code and Circuits	Shifting from Python logic to Arduino-based hardware control.	Induwara	UPCOMING
18 Mar 2026	Electronics Workshop	Day 02 — Speaking the Same Language	Exploring communication protocols like I2C, SPI, and UART.	Agra	UPCOMING
21 Mar 2026	Electronics Workshop	Day 03 — Connecting the Dots	Building internet-enabled systems and introducing IoT fundamentals.	Agra	UPCOMING
25 Mar 2026	PCB Design Workshop	Day 01 — Circuits on Canvas	Designing basic circuit diagrams and understanding KiCad tools.	Rivikula	UPCOMING
28 Mar 2026	CS Workshop	Day 02 — Syncing Systems Seamlessly	Creating real-time hardware-software interaction using Blynk.	Dewmina	UPCOMING
1 Apr 2026	PCB Design Workshop	Day 02 — From Blueprint to Board	Designing a complete, functional PCB for the project.	Rivikula	UPCOMING
4 Apr 2026	3D Design Workshop	Day 01 — Form Follows Function	Designing and modeling an enclosure using TinkerCAD.	Savinu	UPCOMING
8 Apr 2026	3D Design Workshop	Day 02 — Prototyping for People	Ideating enclosure and product features tailored for everyday users.	Savinu	UPCOMING
11 Apr 2026	CS Workshop	CS Day 01 — Arduino Programming	MicroPython to Arduino IDE, C++ basics, control structures, variables, void functions, loops.	Dewmina	UPCOMING
15 Apr 2026	CS Workshop	CS Day 02 — Blink & IoT Dashboard	Blink sketch, Wi-Fi connection, Blynk IoT dashboard and mobile app control.	Dewmina	UPCOMING

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18 Apr 2026	3D Design Workshop	Day 03 — Designing with Empathy	Developing assistive extensions for improved accessibility.	Savinu	UPCOMING
25 Apr 2026	CS Workshop	CS Day 03 — AI & Teachable Machine	Using Teachable Machine to classify items and add intelligence to the Medibox.	Dewmina	UPCOMING