Mindluster Platform

# About the course Making LED digital clock

Making LED digital clock course, in this course youâ€™ll learn to design and build a functional digital clock using LEDs and basic electronic components. This course covers the fundamentals of timekeeping circuits, including how to use ICs like the 555 timer for clock pulses and the 4026 or 7490 for counting seconds, minutes, and hours. Youâ€™ll learn to wire 7-segment LED displays to show time accurately and explore how to sequence these displays to display hours, minutes, and seconds. Weâ€™ll dive into the setup and wiring of LED displays, resistors, and multiplexing techniques to save power and create a clear, readable clock face. Through hands-on exercises, youâ€™ll understand how to design circuits for each digit of the clock, use capacitors and resistors to stabilize the circuit, and troubleshoot common timing errors. Additionally, advanced topics include setting up an AM/PM indicator and adjusting brightness. By the end of the course, youâ€™ll have a fully functional LED digital clock and a solid grasp of timing circuits, display control, and electronic circuit assemblyâ€”perfect for hobbyists and beginners in electronics.

**Engineering Category's Courses**

# Course Lesson(2)

Lesson 1 : **How to Make LED Digital Clock Without any microcontroller**

Lesson 2 : **Digital LED Clock 24Hr With Single IC Without Microcontroller Big Display LED Clock**

# Related courses

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