IIT Bombay Mood Indigo Coding Project

Learn Build Get Certified

Learn coding with top teachers by building real-world projects and get a certificate from IIT Bombay Mood Indigo

Program Curriculum for Grades 6 - 8

Eligibility
Grade 1-12

Program Delivery
Online & Offline

Certificates
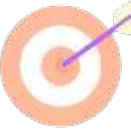IIT Bombay Mood Indigo
STEM.org

Duration
6 months

Session
48 sessions of
1 Hour each

Highlights
2 Major Projects
Unlimited doubt sessions

Thunkable & Web Development │ Grade 6 - 8

Unleash your creativity! Learn app development with Thunkable, master web design using HTML, CSS, and Bootstrap, and delve into programming with JavaScript. Cap your learning with fun projects like games, health trackers, and weather apps.

Course Learning Outcome

- ✓ Advanced application development with Thunkable
- ✓ Web development and design with HTML, CSS, & Bootstrap
- ✓ Foundations of JavaScript

Exclusive Benefits

- ✓ Unlimited doubt sessions, 24x7
- ✓ Build an application and a website
- ✓ Publish your application on Play Store and host your website on a free .in domain

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Module 1
THUNKABLE BEGINNER

"Thunkable Essentials" guides you through creating diverse real-world apps with Thunkable.

Module Learning Outcomes

- ✓ Introduction to App Development with Thunkable
- ✓ Touch Sensitivity and User Engagement
- ✓ Digital Document Interaction with PDF Reader
- ✓ Wellness Tracking with Health App
- ✓ Creativity, Artistic Expression, and Sensor Technology

Language:
Block based

Platform:
Thunkable

6 Lessons & 10+ Projects

Module 2
THUNKABLE INTERMEDIATE - I

Create games and calculators, understand internet security, and engage in cross-platform development.

Module Learning Outcomes

- ✓ Space-themed game development.
- ✓ Calculator app creation.
- ✓ Internet security awareness.
- ✓ Android and iOS game development proficiency.
- ✓ Checklist app design and development.

Language:
Block based

Platform:
Thunkable

6 Lessons & 10+ Projects

Module 3
THUNKABLE INTERMEDIATE - II

Build personalized apps with multimedia handling, barcode scanning, and weather forecasting functionalities.

Module Learning Outcomes

- ✓ Mobile app development proficiency.
- ✓ Audio and video recording application creation.
- ✓ Barcode scanning expertise.
- ✓ Weather application development skills.

Language:
Block Based

Platform:
Thunkable

6 Lessons & 10+ Projects

Module 4
THUNKABLE ADVANCE

Create photo apps, with sign-in interfaces, and cap your learning with a Major Project
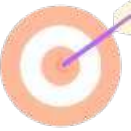
Module Learning Outcomes

- ✓ Photo app development skills.
- ✓ Sign-in screen design proficiency.
- ✓ User authentication expertise.
- ✓ Space exploration application creation.
- ✓ Knowledge in space science and data presentation.

Language:
Block Based

Platform:
Thunkable

6 Lessons & 10+ Projects

Thunkable & Web Development | Grade 6 - 8

Module 5
FUNDAMENTALS OF HTML

"HTML Basics" dives into creating webpages, focusing on text, links, media embedding, semantic structuring, and user input forms.

Module Learning Outcomes

- ✓ Master fundamental HTML.
- ✓ Implement media and hyperlinks.
- ✓ Utilize semantic elements.
- ✓ Learn about forms.

Language:
HTML

Platform:
Repl.it

6 Lessons & 10+ Projects

Module 6
FUNDAMENTALS OF CSS

"CSS Basics" teaches web beautification through backgrounds, text styling, dynamic pseudo-classes, the box model, and positioning.

Module Learning Outcomes

- ✓ Learn core CSS concepts.
- ✓ Style text and backgrounds.
- ✓ Implement dynamic pseudo-classes.
- ✓ Explore the box model.
- ✓ Apply CSS positioning.

Language:
HTML, CSS

Platform:
Repl.it

6 Lessons & 10+ Projects

Module 7
BOOTSTRAP

"Bootstrap Essentials" covers Bootstrap's fundamentals, typography, containers, utility classes, and dynamic components like carousels and scrollspy.

Module Learning Outcomes

- ✓ Master Bootstrap basics.
- ✓ Style content with typography.
- ✓ Effectively use containers.
- ✓ Implement utility classes.
- ✓ Create dynamic elements with Carousel and Scrollspy.

Language:
HTML, CSS, BOOTSTRAP

Platform:
Repl.it

6 Lessons & 10+ Projects

Module 8
INTRODUCTION TO JAVASCRIPT

JavaScript Essentials covers the basics, functions, methods, loops, and switches in JavaScript, culminating in a three-part major project.

Module Learning Outcomes

- ✓ Master JavaScript fundamentals.
- ✓ Learn JavaScript functions.
- ✓ Understand methods, loops, and switches.
- ✓ Apply knowledge in a major project.

Language:
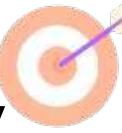**HTML, CSS, BOOTSTRAP, JAVASCRIPT**

Platform:
Repl.it

6 Lessons & 10+ Projects

Hear what our students and parent have to say

Ojas Sharma
Grade 5, Codingal Student
★★★★☆

The IIT Roorkee coding program was incredible! I learned by building real coding projects, and it made learning so much fun.

Aarav S
Grade 10, Codingal Student
★★★★☆

I collaborated with peers & learned from expert teachers. The IIT Bombay coding competition boosted my creativity, critical thinking, and coding abilities.

Priyanka Sahni
Codingal Parent
★★★★☆

The IIT Guwahati Hackathon created a strong foundation for my daughter's coding journey. The collaborative learning environment was remarkable

Riya
Grade 4, Codingal Student
★★★★☆

I found Codingal's competitions and projects engaging. I've built my own website and learned so much about how the internet works. I'm enjoying my classes

Got questions? Contact us anytime.

Send us a message

✉ **support@codingal.com**

Codingal
Where kids love coding