Summer Tech Course on Scratch: A Seven Day Workshop for Beginners

Agenda

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About CodroidHub

Unlock Your Potential with CordoidHub: Educational Solutions Tailored to You

We are a leading provider of IT services for educational organizations across the country. Our team of highly trained professionals is dedicated to helping schools and universities leverage technology to improve their operations and optimize the learning experience for students in their upskilling journey.

In alignment with the NEP 2020 **our mission** is to provide access to quality education as a basic right of every child

Inspired by the **vision** of empowering Self-Reliant India, CodroidHub **aims to** nurture and enhance creativity, problem solving and innovation skills among young budding minds, entrepreneurs and professionals through our various flagship programs and custom-made courses.

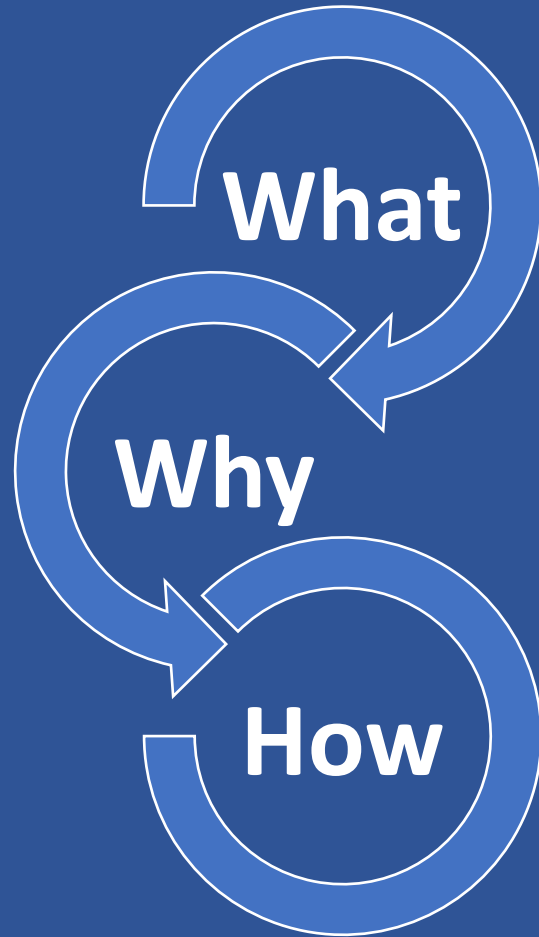We were **founded** in India in 2019 and maintain office at Patna, Noida and Ambala

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Our Services

Unlock Your Potential with CordoidHub: Educational Solutions Tailored to You

- Training programs, workshops and custom-made courses in Emerging Technologies, Design Thinking, Innovation and Entrepreneurship

- Structured Incubation and Accelerator programs for Startups

- Due Diligence (Validation) for Startups, Mentoring and Hand holding, Go-to-Market Strategy, IPR support and Funding Support

- Setting up an Incubation Centre, ATAL Tinkering Lab, ATAL Incubation Centre, Innovation or E-cell, Design Innovation Centre.

- Support the institute in participating and mentoring students for various Technical, Innovation and Entrepreneurship related competitions

- Internship Opportunities and Skill Development programs for students

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Scratch:
Workshop for Beginners

Executive Summary

What

Scratch is frequently used in schools and educational settings to teach kids about computer science and programming while also encouraging creativity and problem-solving abilities.

Why

- To learn Programming
- To promote Creativity
- To encourage collaboration
- To developed problem solving skill

How

Engaging, hands-on, multi-stage learning sessions delivered by CodroidHub-certified trainers.

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Introduction to Scratch

The MIT Media Lab created Scratch, a visual programming language and online community. Users may build interactive tales, games, and animations by dragging and dropping code blocks rather than inputting text-based programming languages.

Scratch is intended to be simple to use, especially for novices, and its block-based approach allows users to learn programming ideas fast without worrying about syntax issues. It also has a vast online community where users can share and collaborate on their works.

Agenda

Day 1 - Introduction to Scratch

Day 2 - Making your first project

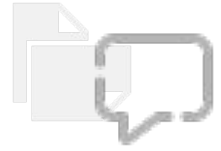Day 3 - Interactivity

Day 4 - Creating Stories

Day 5 - Customizing Sprites

Day 6 - Advanced Programming

Day 7- Sharing your Projects

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Learning Outcomes

Identify basic Scratch and programming principles, such as the usage of blocks and scripts to construct interactive projects.

Create and edit Scratch projects, including adding and editing sprites, using motion and looks blocks, and creating simple animations.

Use event blocks to make sprites respond to user input and create basic games,

Create a Simple story using control blocks and adding sound and dialogue.

Use Variables and operators to create complex animations and conditional Statement.

Save and share projects with others, give and get criticism, and showcase work.

Opportunities

- **Developing computational thinking skills**
- **Enhancing creativity and imagination**
- **Building social and collaborative skills**
- **Fostering a love of learning**
- **Promoting digital literacy**

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Sample Certificate

For any queries

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