



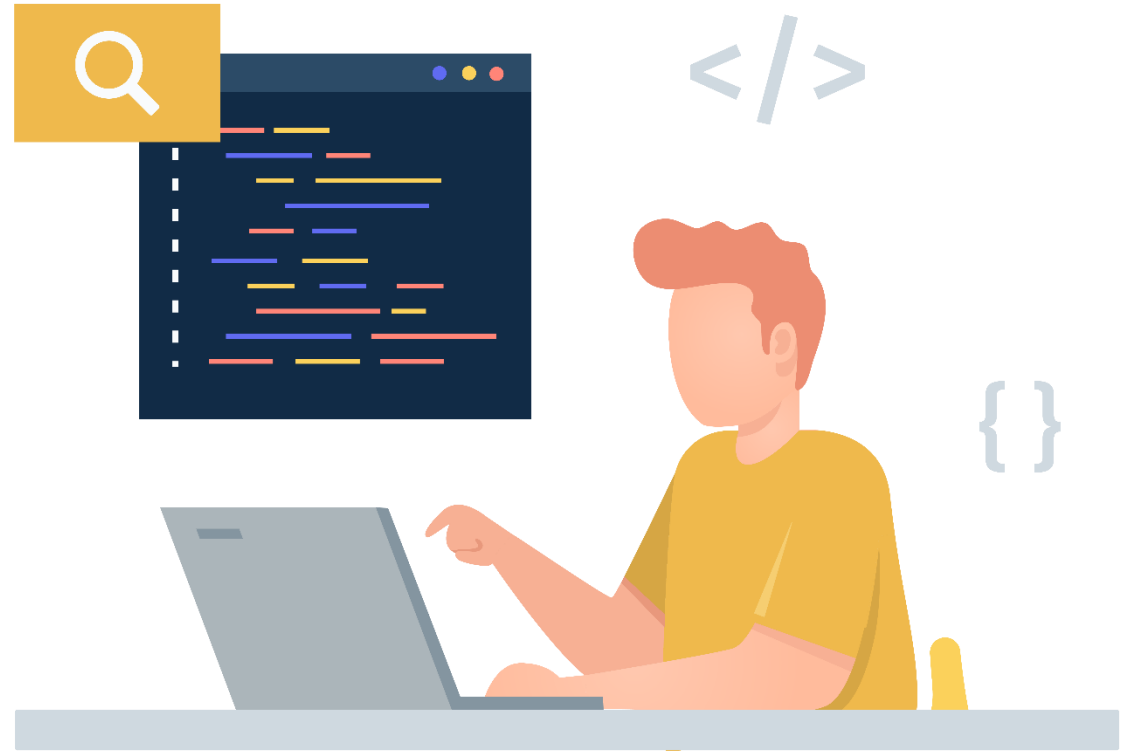
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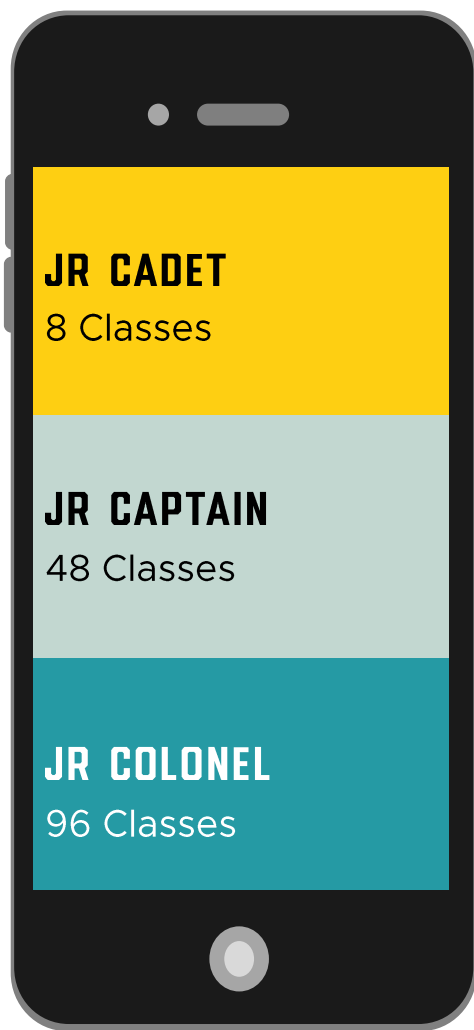


AGE GROUP
Grades 6-8

CURRICULUM

Middle East's No. 1 online coding platform for students aged 6+.





Course:

Learnings:

Activities:

Benefits:

Achievements:

JR CADET
8 Classes

Foundation of coding

Scratch programming, Loops, Variables, and Conditionals

16+ activities and 1 quiz

Code flow and methodology

Jr Cadet Certificate and lifetime community access

JR CAPTAIN
48 Classes

Game and app development

Scratch, Python programming, Mobile and Web apps

88+ activities and 7 quizzes

Advance concepts and structured approach to coding

Jr Captain Certificate, publish your app to the play store, internships to our top 5 students, and lifetime community access.

JR COLONEL
96 Classes

Advance coding and game development

Advanced web and app development, Portfolio creation, AI and chatbots, and advanced game design

184+ activities and 15 quizzes

Exploring programming paths

Jr Colonel Certificate, goodies, scholarships, and lifetime community access.



JR CADET FRAMEWORK

FOUNDATION OF CODING



SKILL LEVEL
Advanced

NO. OF CLASSES
8 Classes

AGE GROUP
Grade 6-8

ACTIVITIES
16+ Activities & 1 Quiz

BENEFITS

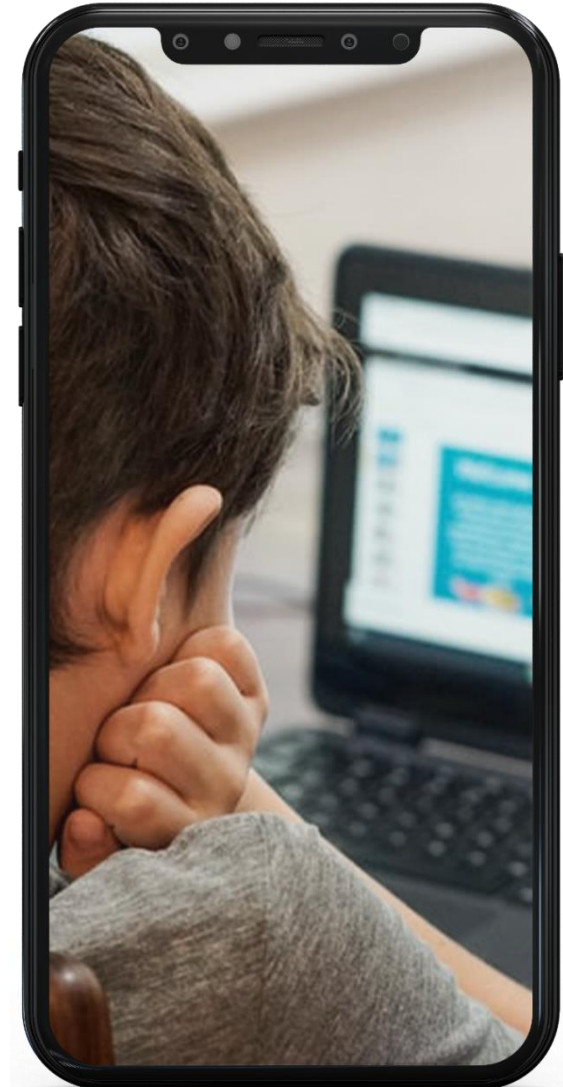
- Foundation
- Game development
- Logic building
- Code flow & methodology

ACHIEVEMENTS

- Jr Cadet Certificate
- Lifetime community access

PRICE

~~AED 750~~ **33%**
AED 500 OFF
(AED 62.5 per class)





MODULE

THEME

TOPICS COVERED

OUTCOME

M1
(8 Lessons)

Sprite Lab & Game Lab
Spec (Basic JavaScript)

Algorithms, loops, variables,
conditionals, and basic JavaScript

Students will develop a foundation for logical thinking and fundamentals of programming. They will also learn about the basics of JavaScript Coding and will also make exciting games using the same



JR CAPTAIN FRAMEWORK

GAME & APP DEVELOPMENT



SKILL LEVEL
Advanced

NO. OF CLASSES
48 Classes

AGE GROUP
Grade 6-8

ACTIVITIES
88+ Activities & 7 Quizzes

BENEFITS

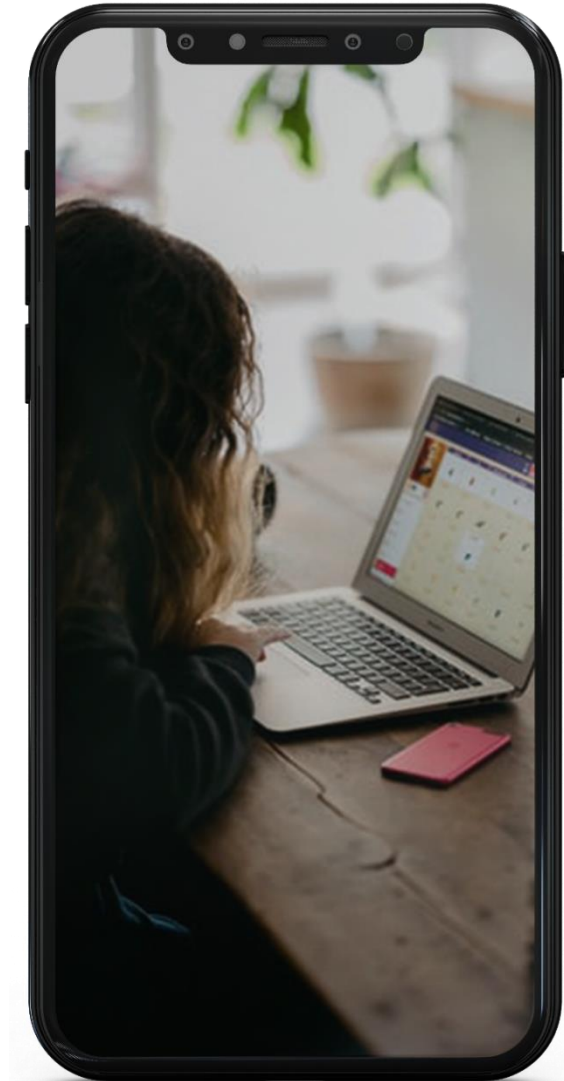
- Improved aptitude
- Critical thinking
- Advance concepts
- Structured codes
- App Development

ACHIEVEMENTS

- Jr Captain Certificate
- Lifetime community access
- Publish App to Playstore
- Internship opportunity for top 5 performers

PRICE

AED 4,500 **39%**
AED 2,750 **OFF**
(AED 57 per class)





JR CAPTAIN



MODULE	THEME	TOPICS COVERED	OUTCOME
M2 (6 Lessons)	Advanced Scratch	Loops, Conditional, Algorithm, Coordinate system, and Game Building	The students will learn about Scratch Programming along with it they will be building various games using the basic concepts of coding like loops and Conditionals. Through this course they will also learn problem solving skills and logical development.
M3 (6 Lessons)	Scratch Specialization	Cloning of Sprites, Defining Functions, Advanced Game Design using Scratch Programming	Students will learn advance concepts in Scratch and develop complex games. They will complete their Specialization in Scratch in this course.
M4 (6 Lessons)	App Development - I	Intro to App Lab (buttons, screens, events, building a multi screen app), Share app & use on your phone	In this the student will be learning about Application development . They will learn about User Interface and Also about the Operating Systems which are used for mobile phones. Building Multiscreen Apps and share it using your phone.





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MODULE	THEME	TOPICS COVERED	OUTCOME
M5 (6 Lessons)	App Development - II	Understanding Interfaces, Designing Logo, E-commerce and Game App Development	In this students will be learning about advance application Development and Logo designing using a common design tool. Also will be making a app which will be Playstore ready Application.
M6 (7 Lessons)	Website Development	Introduction to HTML and its various elements, debugging, Styling	In this the students will be learning about Internet and World Wide Web . Along with it they will be learning programming languages such as HTML and CSS which is used for building websites, Making creative webpages using Cascading Style Sheets also they will be linking multiple webpages and making a website of their own.
M7 (7 Lessons)	Artificial Intelligence Basic	Face Recognition, Text based basic Chatbots, Basics of Machine Learning, Deep Learning, Neural Networks	In this students will be learning about Artificial Intelligence and types of AI i.e. Machine Learning and Deep Learning. Understanding Text and Vision Training and making a Facial Recognition application. Train models and make various games which are AI powered.



JR COLONEL FRAMEWORK

ADVANCE CODING & GAME DEVELOPMENT



SKILL LEVEL
Advanced

NO. OF CLASSES
96 Classes

AGE GROUP
Grade 6-8

ACTIVITIES
184+ Activities & 15 Quizzes



BENEFITS

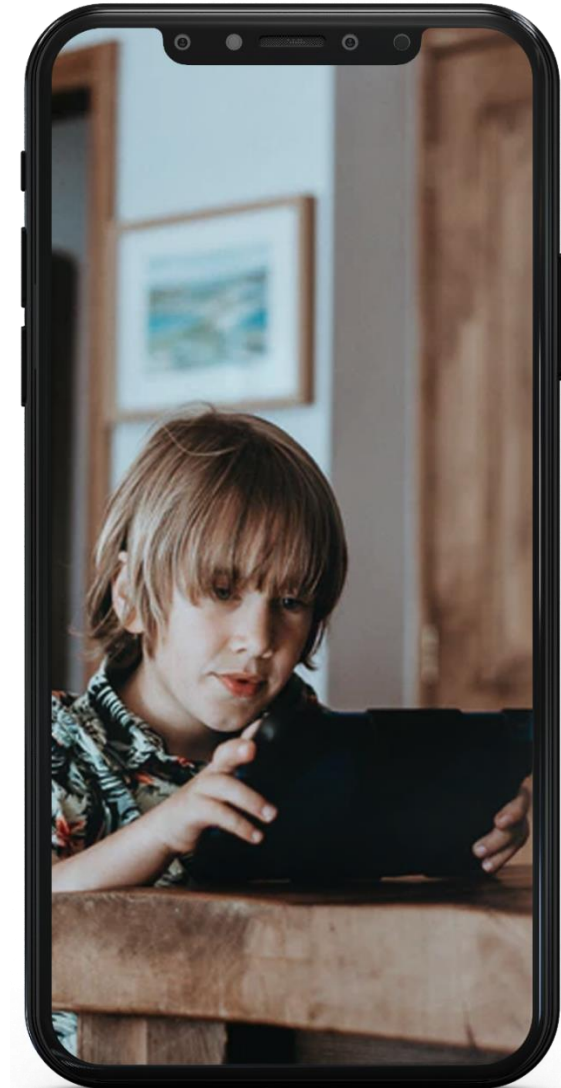
- Conceptual clarity
- Analytical skills
- Confidence boost
- Course project
- Student project

ACHIEVEMENTS

- Jr Colonel Certificate
- Lifetime community access
- Scholarship opportunity for top 5 performers
- Goodies

PRICE

AED 9,000 **47%**
AED 4,800 **OFF**
(AED 50 per class)



MODULE	THEME	TOPICS COVERED	OUTCOME
M8 (6 Lessons)	Advanced Website Development	Wordpress Introduction, Themes, Plug-ins, Customizer, Blog Writing , Pages on Wordpress, Launching their own Website	In this students will be learning a professional tool for making websites and the things which are important such as Blog Writing, Posts, Also how to use plugins on the website. Finally Launching the website which will be live on the internet for everyone.
M9 (6 Lessons)	Basic Python	Animation and Basic concept of Python using block and text programming	In this students will learn how block based languages they have learnt till now are created and will be introduced to a programming language known as Python. They will make different animations and learn basic concepts of python.
M10 (6 Lessons)	Advanced Python	Advanced Python, Menu Driven Programming, Functional Programming	In this the students will learn a tool which is used for python programming and will learn concepts such as Loops, Conditional Statements, and will make menu driven programs.

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MODULE	THEME	TOPICS COVERED	OUTCOME
M11 (6 Lessons)	Specialization in Python	Advanced Level Games using Functions, Modules, and Libraries	In this we will be learning about advance python programming. Students will make advance level gaming using Functions and different modules and libraries in python.
M12 (6 Lessons)	AI specialization	Cognimates, Chatbots on Alexa using custom skill set Intents & slots how to train a model using sample utterances	In this they will be making a customized Alexa which can control their devices at home . They will also have a overview of Natural Language Processing.
M13 (6 Lessons)	Animation and Game Design - I	Introduction to Game Lab, Sprite Interaction, Drawing shapes & randomization, and Introduction to JavaScript	In this module they will be introduced to game lab & familiarized with JavaScript programming while creating animations and games. Learning sprite control, theme development, conceptualization.

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MODULE

THEME

TOPICS COVERED

OUTCOME

M14 (7 Lessons)

Animation and
Game Design - II

Draw Loop, Pattern Creation & Sprite
Movements, and Conditionals &
Predictionals

In this students will learn functional programming in games
and complex modules such as velocity detection, Collision
detection, sprite interaction etc.

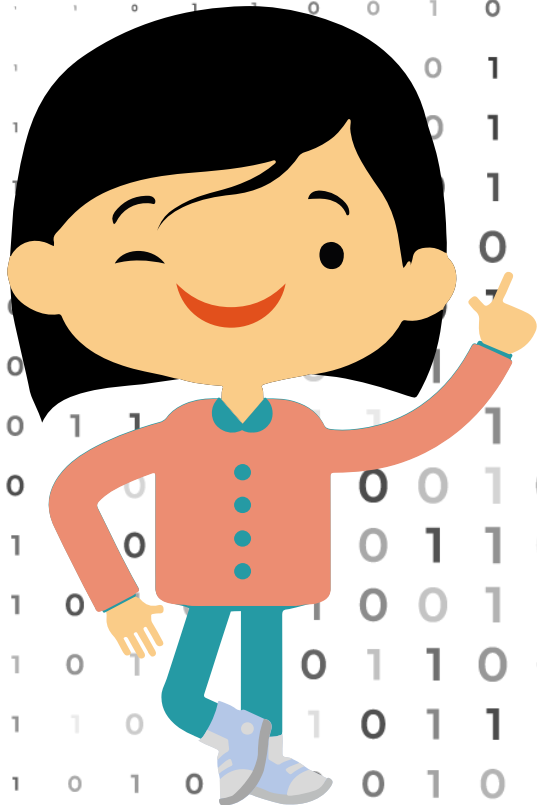
M15 (7 Lessons)

Multiplayer Multi-level
Game Design &
Development

Logic Development, Multi-
character interactions, and
Game Development

This module will be for making more advanced games,
including multi player, multi-level games to implement all
concepts learned.





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