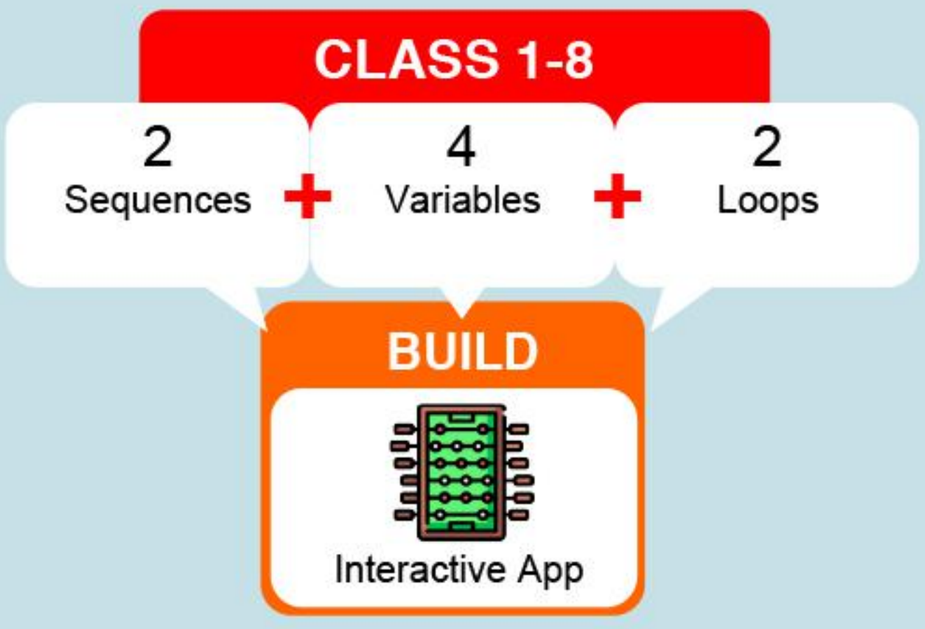
ADVANCED CURRICULUM SNAPSHOT:

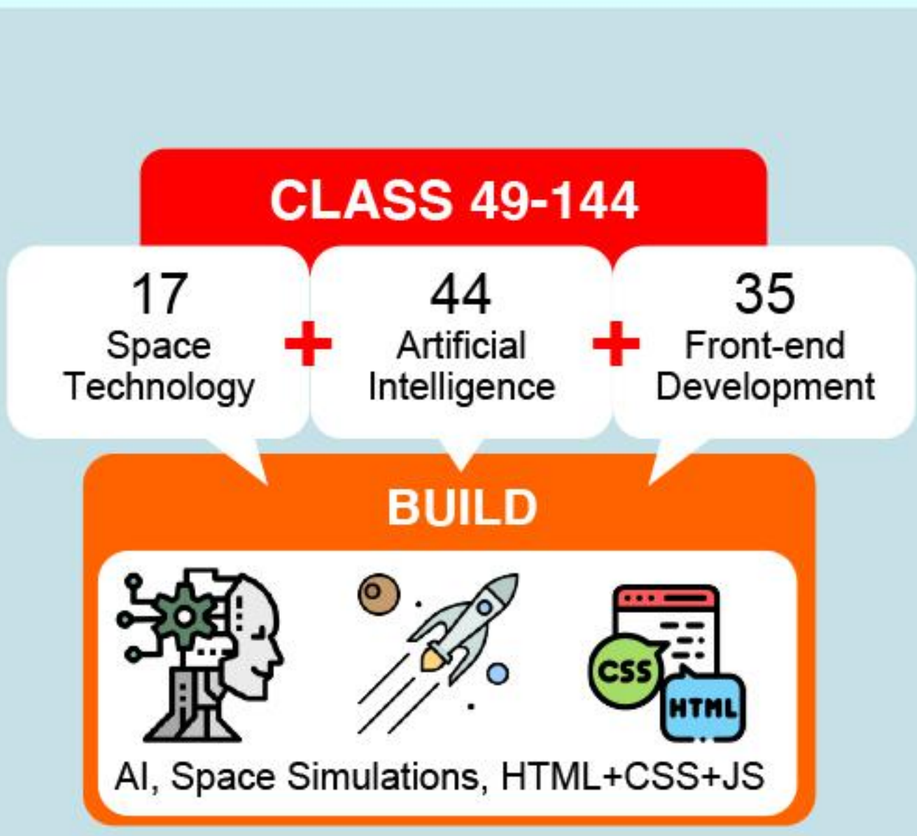
Shrey, my 10 year old has developed keen interest in coding after doing the WhiteHat Jr course. His logical thinking is sharper and can now easily relate to structures and algorithms, and wants to create new real-world programs by himself. I wish every kid has exposure to this course!" - Leena Shah, Mom, Entrepreneur.

Build Commercial-Ready Games & AI Apps with Full UI/UX Interface

Kids creativity declines 96% from Age 9 since rule-based learning emphasize binary outcomes.

In WhiteHat Jr Coding, kids use foundation of ***logic-sequence, loops, commands*** to ***experiment, ,create commercial ready Space Tech apps and specialise in Artificial Intelligence Concepts..***





WhiteHat is created by alumni of the following esteemed institutions

Google | Boston Consulting Group | Discovery Networks | IIM Bangalore | IIT Bombay

FOUNDATION

Basics + Core Programming Concepts + Blockly + Native Apps

CLASS	CONCEPT LEARNING	BUILDING SKILLS
T	**Mobile App Basics** App Design and Code	**Mobile App** Design and Code
1	**Sequence** Procedural Programming Paradigm	**Solving Maze** Critical Thinking Skill
2	**Algorithm** Creating & Applying Algorithms	**Sketch Art** Algorithmic Thinking Skill
3	**Program** Algorithms to Program	**Pixel Art Pattern** Logical Thinking Skill
4	**App Design** GUI Design and Code	**Create Mobile App** Design and Code
5	**Data Variables** Manipulate Variable Values	**Double Player Game** Abstract Thinking Skill
6	**OnClick Event** Trigger an Event on Click	**Double Player Game** Parallel Thinking Skill
7	**Story Animation** Animate Sprites with Code	**Story Board** Creative Thinking Skill
8	**GUI Design and Code** GUI Design and Code	**Create Arcade Game** Design and Code
9	**While Loop** Iterative Conditional Loop	**Solve Puzzle** Recursive Thinking Skill
10	**Start Event** Trigger an Event at Start	**Complex Game** Structured Thinking Skill
11	**Repeat Loop** Iterative Conditional Loop	**Snow Art** Recursive Thinking Skill
12	**App Design** GUI Design and Code	**Create Complex Mobile App** Design and Code
13	**Stop Event** Trigger an Event at Stop	**Complex Game** Structured Thinking Skill
14	**Until Loop** Iterative Conditional Loop	**Fractal Design** Recursive Thinking Skill
15	**For Loop** Iterative Conditional Loop	**Shapes** Critical Thinking Skill
16	**Game Design** GUI Design and Code	**Create Complex Arcade Game** Design and Code

FOUNDATION

Basics + Core Programming Concepts + Blockly + Native Apps

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
17	**Times Loop** Iterative Conditional Loop	**Patterns** Recursive Thinking Skill
18	**Count Loop** Iterative Conditional Loop	**Solve Puzzle** Recursive Thinking Skill
19	**Nested Loops** Recursive Looping	**Complex Patterns** Recursive Thinking Skill
20	**Game Design** GUI Design and Code	**Create Advanced Mobile Game with UI Design**
21	**App Design** GUI Design and Code	**Basic Native App** Design Thinking Skill
22	**App Design** GUI Design and Code	**Basic Native App** Design Thinking Skill
23	**App Design** GUI Design and Code	**Basic Native App** Design Thinking Skill
24	**Publishing App**	Google Play App Store
25	**Touch Event** Trigger code on Touch	**Mobile App** Creative Thinking Skill
26	**While-do** Conditional Programming	**Solve Maze** Logical Thinking Skill
27	**If-do** Conditional Programming	**Solve Puzzle** Logical Thinking Skill
28	**App Design** GUI Design and Code	**Create Commercial-Ready Mobile App**
29	**If-else** Conditional Programming	**Solve Puzzle** Logical Thinking Skill
30	**Costume Property** Control Object Appearance	**Sprites** Creative Thinking Skill
31	**Color Property** Control Object Appearance	**Sprites** Creative Thinking Skill
32	**Game Design** GUI Design and Code	**Create Commercial-Ready Mobile Game**

FOUNDATION

Basics + Core Programming Concepts + Blockly + Native Apps

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
33	**Repeat do** Repeat do Conditionals	**Solve Puzzle** Logical Thinking Skill
34	**OnEvent Function** Interactive Design Components	**Mobile App** Critical Thinking Skill
35	**Parallel Functions** Interactive Design Components	**Mobile App** Parallel Thinking Skill
36	**App Design** GUI Design and Code	**App Entrepreneur**
37	**Chatbot Development** Small Talk Services	**AI Chatbot** Critical Thinking Skills
38	**Chatbot Development** Chatbot Intents	**AI Chatbot** Abstract Thinking Skills
39	**Chatbot Development** Chatbot Knowledgebase	**AI Chatbot** Critical Thinking Skills
40	**Chatbot App** Native Chatbot App	**AI Chatbot** Abstract Thinking Skill
41	**Advanced Chat App** Algorithm Design	**Communication Apps** Algorithmic Thinking Skill
42	**Advanced Chat App** Chat App Prototype	**Communication Apps** Critical Thinking Skill
43	**Advanced Chat App** Cloud Integration	**Communication Apps** Algorithmic Thinking Skill
44	**Advanced Chat App** Database Integration	**Communication Apps** Analytical Thinking Skill
45	**Advanced Logic** Game Rules	**Cloud Based Game** Critical Thinking Skill
46	**Advanced Logic** Game Rules	**Cloud Based Game** Critical Thinking Skill
47	**Advanced Logic** Database Integration	**Cloud Based Game** Analytical Thinking Skill
48	**Advanced Logic** Database Integration	**Cloud Based Game** Analytical Thinking Skill

EXPLORATION

UI/UX + HTML + CSS + JS + Widgets

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
49	UI / UX Design App Components	Advanced Native Skill VIsual Thinking Skill
50	UI / UX Design App Color Scheme	Advanced Native Skill Design Thinking Skill
51	UI / UX Design App Font Scheme	Advanced Native Skill Design Thinking Skill
52	UI / UX Design User Journey	Advanced Native Skill Visual Thinking Skill
53	UI / UX Design App Iconography	Advanced Native Skill Creative Thinking Skills
54	UI / UX Design App Theme	Advanced Native Skill Visual Thinking Skills
55	UI / UX Design App Logo Design	Advanced Native Skill Creative Thinking Skills
56	Front End Development HTML Doctype	Hybrid Apps Logical Thinking Skills
57	Space Technology Universe	Native Simulation App Critical Thinking Skill
58	Front End Development HTML Body	Hybrid Apps Logical Thinking Skill
59	Space Technology Local Group	Native Simulation App Critical Thinking Skill
60	Front End Development HTML Structure	Hybrid Apps Logical Thinking Skill
61	Space Technology Clusters	Native Simulation App Critical Thinking Skill
62	Front End Development GUI Design and Code	Hybrid Apps Logical Thinking Skill
63	Space Technology Galaxies	Native Simulation App Critical Thinking Skill
64	Front End Development HTML Inline Elements	Responsive Web App Logical Thinking Skill

EXPLORATION

UI/UX + HTML + CSS + JS + Widgets

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
65	Space Technology Milky Way	Native Reference App Critical Thinking Skill
66	Front End Development HTML Images	Responsive Web App Logical Thinking Skill
67	Space Technology Andromeda	Native Reference App Critical Thinking Skill
68	Front End Development HTML Links	Responsive Web App Critical Thinking Skill
69	Space Technology Stars and Planets	Native Reference App Critical Thinking Skills
70	Front End Development HTML Multimedia	Responsive Web App: Critical Thinking Skills
71	Space Technology Gravitation Laws	Native Simulation App Critical Thinking Skills
72	Front End Development CSS Text Style	Hybrid Apps Creative Thinking Skills
73	Space Technology General Relativity	Native Simulation App Critical Thinking Skill
74	Front End Development CSS Box Style	Advanced Web Pages Creative Thinking Skill
75	Space Technology Space-Time Curvature	Native Simulation App Critical Thinking Skill
76	Front End Development CSS Animation	Advanced Web Pages Creative Thinking Skill
77	Space Technology Black Holes	Native Simulation Apps Critical Thinking Skill
78	Front End Development CSS Effects	Advanced Web Pages Creative Thinking Skill
79	Space Technology Black Holes	Native Simulation Apps Critical Thinking Skill
80	Front End Development Javascript Syntax	Advanced Web Pages Critical Thinking Skill

EXPLORATION

UI/UX + HTML + CSS + JS + Widgets

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
81	Space Technology Gravitational Waves	Native Simulation Apps Analytical Thinking Skill
82	Front End Development Javascript Statements	Advanced Web Pages Critical Thinking Skill
83	Space Technology International Space Station	Utility Widgets Analytical Thinking Skill
84	Front End Development Javascript Strings	Advanced Web Pages Critical Thinking Skill
85	Space Technology Hubble Telescope	Utility Widgets Analytical Thinking Skills
86	Front End Development Javascript Functions	Interactive Web Game Critical Thinking Skills
87	Front End Development Javascript Objects	Interactive Web Game Critical Thinking Skills
88	Front End Development Javascript Boolean	Interactive Web Game Critical Thinking Skills
89	Front End Development Javascript Conditionals	Interactive Web Game Critical Thinking Skill
90	Front End Development Javascript Events	Twitter for Kids Critical Thinking Skill
91	Front End Development HTML + CSS + Javascript	Twitter for Kids Design Thinking Skill
92	Front End Development HTML + CSS + Javascript	Twitter for Kids Design Thinking Skill
93	Front End Development HTML + CSS + Javascript	Twitter for Kids Critical Thinking Skill
94	Front End Development HTML + CSS + Javascript	Personal Portfolio Website Critical Thinking Skill
95	Front End Development HTML + CSS + Javascript	Personal Portfolio Website Critical Thinking Skill
96	Front End Development HTML + CSS + Javascript	Personal Portfolio Website Critical Thinking Skill

SPECIALIZATION

AI + NLP + ML + DataScience

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
97	Natural Language Processing Speech	Speech to Text Analytical Thinking Skill
98	Natural Language Processing Speech	Text to Speech Critical Thinking Skill
99	Natural Language Processing Speech	Translation Critical Thinking Skill
100	Natural Language Processing Speech	Realtime Translation Analytical Thinking Skill
101	Neural Networks Models	Predictive Analysis Critical Thinking Skills
102	Neural Networks Models	Predictive Analysis Critical Thinking Skills
103	Neural Networks Weights	Training Models Critical Thinking Skills
104	Neural Networks Weights	Training Models Critical Thinking Skills
105	Neural Networks Biases	Training Models Critical Thinking Skill
106	Neural Networks Biases	Training Models Critical Thinking Skill
107	Neural Networks Graphs	Predictive Analysis Analytical Thinking Skill
108	Neural Networks Graphs	Predictive Analysis Critical Thinking Skill
109	Deep Learning Trained Net Models	Image Processing Analytical Thinking Skill
110	Deep Learning Trained Net Models	Image Processing Analytical Thinking Skill
111	Deep Learning Trained Net Models	Image Classification Analytical Thinking Skill
112	Deep Learning Trained Net Models	Image Classification Critical Thinking Skill

SPECIALIZATION

AI + NLP + ML + DataScience

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
113	Deep Learning Trained Net Models	Image Recognition Analytical Thinking Skill
114	Deep Learning Trained Net Models	Image Recognition Critical Thinking Skill
115	Deep Learning Trained Net Models	Image Identification Analytical Thinking Skill
116	Deep Learning Trained Net Models	Image Identification Critical Thinking Skill
117	Natural Language Processing Sentiment Analysis	Language Identification Analytical Thinking Skills
118	Natural Language Processing Sentiment Analysis	Speech Processing Analytical Thinking Skills
119	Natural Language Processing Sentiment Analysis	Text Processing Analytical Thinking Skills
120	Natural Language Processing Sentiment Analysis	Sentiment Classification Analytical Thinking Skills
121	Natural Language Processing Sentiment Analysis	Sentiment Classification Analytical Thinking Skill
122	Natural Language Processing Sentiment Analysis	Sentiment Classification Analytical Thinking Skill
123	Natural Language Processing Sentiment Analysis	Sentiment Classification Analytical Thinking Skill
124	Machine Learning Training Image Data	Training Prebuilt Mode Critical Thinking Skill
125	Machine Learning Training Image Data	Training Prebuilt Mode Critical Thinking Skill
126	Machine Learning Training Image Data	Training Prebuilt Mode Critical Thinking Skill
127	Machine Learning Test Image Data	Training Prebuilt Mode Critical Thinking Skill
128	Machine Learning Test Image Data	Training Prebuilt Mode Critical Thinking Skill

SPECIALIZATION

AI + NLP + ML + DataScience

CLASS	CONCEPT & LEARNING	BUILDING SKILLS
129	Machine Learning Test Image Data	Training Prebuilt Mode Critical Thinking Skill
130	Feature Extract Image Data	Reading text from image Critical Thinking Skill
131	Feature Extract Image Data	Reading text from image Critical Thinking Skill
132	Feature Extract Image Data	Reading text from image Critical Thinking Skill
133	Feature Extract Image Data	Reading text from image Critical Thinking Skills
134	Feature Extract Image Data	Reading text from image Critical Thinking Skills
135	Machine Learning Pattern Recognition	AI Board Game Critical Thinking Skills
136	Machine Learning Pattern Recognition	AI Board Game Critical Thinking Skills
137	Machine Learning Pattern Recognition	AI Board Game Critical Thinking Skill
138	Machine Learning Training Model	AI Board Game Critical Thinking Skill
139	Machine Learning Training Model	AI Board Game Critical Thinking Skill
140	Machine Learning Training Model	AI Board Game Critical Thinking Skill
141	Machine Learning Training Model	AI Board Game Critical Thinking Skill
142	Machine Learning Training Model	AI Board Game Critical Thinking Skill
143	Machine Learning Training Model	AI Board Game Critical Thinking Skill
144	Machine Learning Training Model	AI Board Game Critical Thinking Skill