	Lect	ture Name	Detailed concepts
	16	Making game using conditionals	"Kids follow a step by step approach to design a single
r	17	While and Until Loop	player game with hurdles." Introducing more conditionals to students and difference between them
	18	Dino Trex Game	Dino trex complex game by using variables
	19	Game (Mouse+Graphics)	Cat and Mouse game by using mouse pointer
ľ	20	Dance Party	A fun topic where student will learn event driven code
	stor	v_state(a,b){	undefined ==typeof a88(a={}):var d=
	١.,	DOUY J. CO.	Artifical Intelligence - 1
	21	Introduction to Machine Learning	Introduction to Machine Learning
	22	Application of Machine Learning	We will teach the student how Maching learning can use in our daily life
	23	"Coding Fundamentals in Depth"	Revision of everything we learnt till now doubt solving
	24	Game Designing using Text Commands	We will make the Star Wars Game where we will revise the concept of Variables
	25	Rock Paper and Scissor	We will make Rock,Paper and Scissor game using scratch and learning the Maths Operators
		pery),peginal	App Development - 1
		- 1 J	of 1, 11 (p. com (13 1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2
	26	Introduction to App Lab	Introduction to App Lab and User Interface to Students
	27	Translator App	We will teach how to make app using conditionals
	28	Binary Numbers	Introduction to Binary and how to convert them in Decimal Numbers
	29	Introduction to turtle programming	Introduction to turtle programming and While loop
	30	While loops	Making Elsa and Anna patterns using While loops
	31	Multi Screen Apps	Introduction to Multi Screen Navigation

Le	ecture	Name	Detailed concepts
3	2 Radio B	Rutton	Making a guiz using radio button where we can select only one option.
3.		300_1220	You can select more than one option in Check Box and We are making House lock App.
3	4 Minecra	aft Adventures	Minecraft games and Introduction of Functions
3.	5 Slider		By using slider how to change images.
30	6 Clicker (Part1)	and Flicker App	We need to make clicker and flicker app.We will make the part 1 Clicker Game
3	7 Clicker (Part 2)	and Flicker App	We will make the Flicker Game and learn the concept of setTimeout.
3	8 Data Ty	/pes	To teach kids about string data types and String Manuplation.
3	9 Functio	ons	Learning Functions in depth and it's importance.
4	O Rock Pa	aper Scissor	We will make a Rock,Paper and Scissor game in app lab by using all the concepts we learnt till now
4	1 Debug	ging in App Lab	We will complete Rock Paper and Scissor Game and learn how to do debugging in app lab.
	Artifical Intelligence - 2		Artifical Intelligence - 2
4	2 Text to	Speech App	We made our first app in Thunkable which we can download on our Phones.
4	3 Revisio	on	Student will make a independent App of their choice
	o .pasm	.67737,415	Robotics
4	4 Checkp	point 2	Introduction to Robotics and Revision
	won r	** I TETT	App Development - 2
4	5 Gyrosp	ace	Maze Game in Thunkable
4	6 Dropdo	own	App using dropdown

L	ect	ture Name	Detailed concepts
	47	Boolean Expression	Introducing Boolean Expressions
	48	For Loop	Introducing for loop
	49	Applications of For Loop	We will make app using For Loop
	50	Introduction to Array	Introducing Array
	51	Applications of Array	We will make app using Array
	52	Introduction to Database	Create and delete databse in tabular form
	53	Data Manager App (Part 1)	We will manage app where we will create the data
	54	Update and View Database	Updations and View of database
	55	Data Manager App (Part 2)	We will update and view the data app
	Game Designing and Development - 2		
	56	Introduction to Game Lab	How to make shapes in game lab
	57	Introduction to Sprites and draw loop in Game Lab	Sprites creation and their movements
	58	Interactive Card	We will make a greeting card by using Game lab
	59	Collision Detection	We will make game by using Collision Detection
	60	Mouse and Keyboard Input	Use of keyboard keys and mouse in game lab
	61	Functions in Game lab	We will introduce functions in game lab and their uses.
	62	Help the Duckies (Part1)	We are making the game by using all the concepts we learned till now

We are making the game by using all the concepts we learned till now

63

Help the Duckies (Part2)

	Lect	ture Name	Detailed concepts
li		tuen (heet each)	no_make_query(){vor a=get_filters_value}
		10 6	Web Development
	64	Introduction to Java Script	We will introduce jave script
	65	Applications of Java Script	We will teach java script in depth
	66	App using Java Script (part1)	We will make app using Java Script
	67	App using Java Script (part2)	We will make the quiz game
	68	Introduction to Html	We will introduce html
	69	Basics of Html	We will learn the basics like how to make header and paragraph
	70	Web page using Images	We will introduce how to insert images in web page
	71	Web page in Html	We will make web page in Html
	72	Introduction to Css	We will Introduce Css and it's basics.
	73	Styling in Css	How to change colors text font in Css
	74	Web Page	We mill make a Web page using Html and Css
	75	Chat Bot	We will make a Chat Bot using Scratch
	76	Digital Clock (Part 1)	We will make a digital clock in Css
	77	Digital Clock (Part 2)	We will make digital clock in javascript
	78	Digital Clock (Part 3)	We will make digital clock in javascript
		e_extended[LIS	

SUPERSTARS

GRADE 3-5

Detailed concepts Lecture Name Artificial Intelligence - 2 Depth in Macine Learning We will make Activity using Machine Learning **Artificial Intelligence - 2 Introction to Robotics** Introducing to Robotics and Revisions and Revision

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15

Game making in Scratch

Glide in Depth

We will make the second part of Bounce Ball Game

Teaching the concept of Glide and making Animations using it.

L	-ec	ture Name	Detailed concepts
11		read_filters_	and_make_query(){var a=get_filters_val
	Coding Fundamentals - 1		
	1	Sequence and Events	Introduction to sequence and Event Blocks
	2	Algorithms and Debug	"Applying Algorithmic thinking to break complex problems into simple steps"
	3	Loops	Introducing kids to Loops and What are the importance of Loops
	4	Nested Loops	Introduction to Nested Loops and Lifecycle of Coding
	5	Coordinates	Introduction to x and y axis and how we can change the movements and introducing them to scratch also
П	6	Variables	Introducing Variables to the kids
	7	Functions	Introducing Functions to the kids
	8	Checkpoint 1	Whatever we learnt till now we will revise all the concepts here
	Coding Fundamentals - 2		
	9	If and Else (Conditionals)	Introducing conditionals to kids
	10	Extended Variable	We will learn variables in depth
	11	IPO	Introduction to Input,Process and Output and how our machines works on it and debugging in text commands
	12	Animation in Depth	Learning of animation in depth
	Game Designing and Development - 1		
1	13	Forever loop	We will make the bounce ball game by using forever loop.
	1.4		take awery: Function() LLISTIMG. State. In