FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625 018, Tamil Nadu

DEPARTMENT OF INFORMATION TECHNOLOGY
Animation Using Scratch - 19UGVAI1

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DEPARTMENT OF INFORMATION TECHNOLOGY

CRASH COURSE ON – ANIMATION SOFTWARE USING SCRATCH

COURSE DESCRIPTION

This course introduces animation deign and graphics techniques using Scratch.

COURSE OBJECTIVE/S

To facilitate the student to understand the concepts using program to develop games, stories, and animations using hands-on examples to make them thinking and tinkering.

COURSE OUTCOMES (CO)

No.	Course Outcome	Knowledge Level(According to Bloom's Taxonomy)
CO 1	Provides an overview of Scratch and its features.	K1
CO 2	Guides us through the installation of Scratch on Windows also helps you run the Scratch programming environment.	K2
CO 3	Explores the Scratch interface and allows us to create some simple scripts that demonstrate how easily we can build a project.	K2
CO 4	How to create an animated birthday card and a slideshow of our favourite photos.	K3
CO 5	Develop various Code projects on Scratch	K5

Unit I: Introduction to Scratch:

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What is Scratch? - Programming concepts – Installation of scratch - Run Scratch from flash drive - Integrate Scratch with the PortableApps.com suite - Troubleshooting - Limitations

Unit II: Start Scratching:

The interface at a glance Time for action – first step - Basics of a Scratch project - We're all actors on Scratch's stage - save your work - **Set the cat in motion-** a big step - Coordinating a sprite's location - Double-click control - Time for action – in motion forever **Add sprites to the stage -** Get new sprites - Browse Scratch's projects - Costume versus background

Unit III: Graphics & Slide Shows:

Interface design - Set the stage – paint the stage - Adding gradients -Sprite costumes – address the card - Working with sprites - Animating the card – hide all sprites – Graphical transformations.

Unit IV: Build a photo slideshow:

Insert a title screen - Import photos from disk - Image formats - Working with images - Resize images - How to measure images – flip through the photos - Building audience participation.

Unit V: Scratch Code Projects:

Ghost Busters – Rock band – Lost in space – Cat boat – paint box – Boat in race – Memory game – Brain game – Create your own world

Text Book: **Scratch1.4 Beginners Guide – Learn to program while creating interactive stories , games and multimedia projects using Scratch – by Michael Badger – PACKT publishing, Mumbai.**

WEB REFERENCES:

- http://scratch.mit.edu
  www. https://codeclub.org › .

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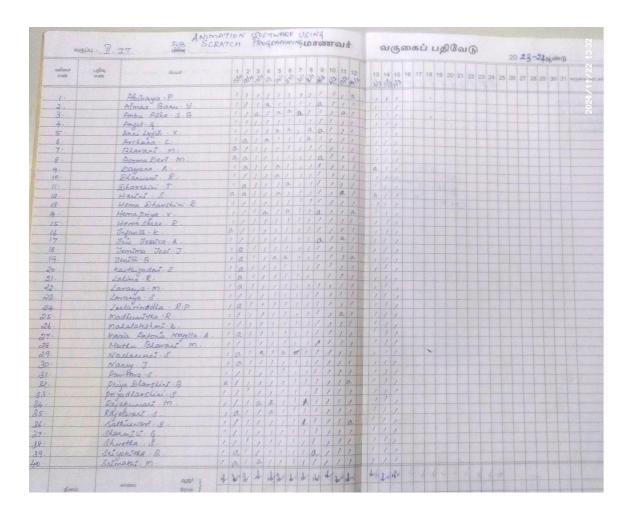**Mary Land, Madurai - 625 018, Tamil Nadu**

SAMPLE CERTIFICATE

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ATTENDANCE :

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வரிசை எண்	பதிவு எண்	பெயர்	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	வருகை நாட்கள்
41.		Srinithi. V.P	/	a	/	/	/	/	/	?	/	/	/	a	/	/	/																	
42.		Thaarani. S.	/	a	/	/	/	a	/	/	/	/	/	a	/	2	/																	
43.		Varshini. N.	/	/	/	/	/	/	/	/	a	/	/	/	/	2	/																	
44.		Janani. S.	/	a	/	/	a	/	/	/	/	a	/	/	/	/																		

checked by
R. [signature] 15/2/24.
(Dr. R. Smacta mary)

[signature]

Signature of HOD

**Head of the Department
Department of Information Technology,
Fatima College (Autonomous), Madurai.**