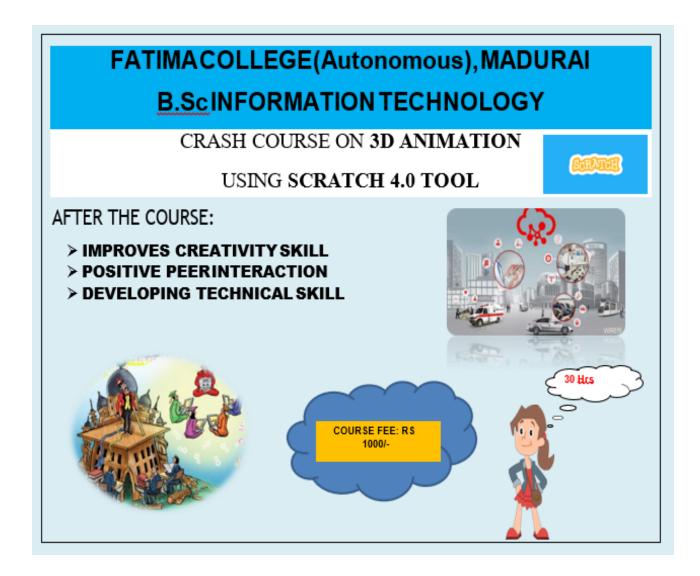


# DEPARTMENT OF INFORMATION TECHNOLOGY 1.3.2&1.3.3 VALUE ADDED COURSES





#### CRASH COURSE ON - 3D ANIMATION - 19UGVAI1

### COURSEDESCRIPTION

This course introduces animation deign and graphics techniques using Scratch.

### **COURSEOBJECTIVES**

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'sTaxonomy)
CO1	Provides an overview of Scratch and its features.	K1
CO 2	Guides us through the installation of Scratch onWindows	K2
	also helps you run the Scratch programmingenvironment.	
CO 3	Explores the Scratch interface and allows us to create some simple scripts that demonstrate how easily we	K2
	build a project.	
CO 4	How to create an animated birthday card and a slideshow	K3
CO 5	of our favourite photos.  Develop various Code projects on Scratch	K5

#### **UNIT I: INTRODUCTIONTO SCRATCH:**

[6Hrs]

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

#### **UNIT II: STARTSCRATCHING:**

[6 Hrs]

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 & SLIDESHOWS:**

[6 Hrs]

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 APHOTOSLIDESHOW:**

[6 Hrs]

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: SCRATCHCODE PROJECTS:**

[6Hrs]

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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# DEPARTMENT OF IT



## FATIMA COLLEGE (Autonomous)

Re-Accredited with 'A' Grade by NAAC (3rd Cycle)
College with Potential for Excellence
Mary Land, Madurai - 625018

# ANIMATION SOFTWARE

during the academic year 2020 - 2021 and has been awarded Distinction / First / Second class.

Se. G. Celi Saling Many

Dr.Sr.G.Celine Sahaya Mary Principal Head of the Department

P. Nany Co-ordinator