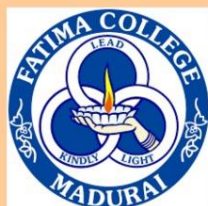# FATIMA COLLEGE

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Mary Land, Madurai - 625018, Tamil Nadu

DEPARTMENTOFINFORMATIONTECHNOLOGY

CRASHCOURSE ON– ANIMATION USING SCRATCH
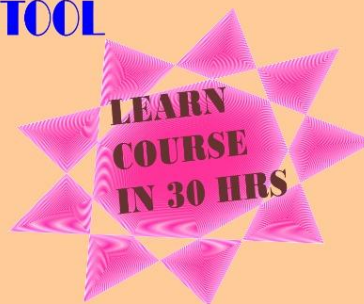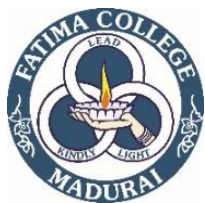
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CRASH COURSE ON – ANIMATION USING SCRATCH

HOURS/WEEK:6CREDIT:2

COURSEDESCRIPTION

ThiscourseintroducesanimationdeignandgraphicstechniquesusingScratch.

COURSEOBJECTIVE/S

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

COURSEOUTCOMES(CO)

No.	CourseOutcome	Knowledge Level(According to Bloom'sTaxonomy)
CO1	ProvidesanoverviewofScratchanditsfeatures.	K1
CO2	GuidesusthroughtheinstallationofScratchonWindows alsohelpsyouruntheScratchprogrammingenvironment.	K2
CO3	Explores the Scratch interface and allows us to createsomesimplescriptsthatdemonstratehoweasily wecan buildaproject.	K2
CO4	How tocreateananimatedbirthdaycardandaslideshow ofourfavouritephotos.	K3
CO5	DevelopvariousCodeprojectsonScratch	K5

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UNITI:INTRODUCTION TOSCRATCH:[6Hrs]

What is Scratch? - Programming concepts – Installation of scratch - Run Scratch from flashdrive-IntegrateScratchwiththePortableApps.comsuite-Troubleshooting–Limitations

UNITII:STARTSCRATCHING: [6Hrs]

TheinterfaceataglanceTimeforaction–firststep-BasicsofaScratchproject
-We'reallactorsonScratch'sstage-saveyourwork-**Setthecatin   motion-**abigstep - Coordinatinga sprite's location - Double-click control - Time for action – inmotion forever **Add spritesto the stage -** Get new sprites - Browse Scratch'sprojects-Costumeversusbackground

UNITIII:GRAPHICS &SLIDESHOWS: [6Hrs]

Interfacedesign-Setthestage–paintthestage-Addinggradients-Spritecostumes
– address the card - Working with sprites - Animating the card – hide all sprites – Graphicaltransformations.

UNITIV:BUILDAPHOTOSLIDESHOW: [6Hrs]
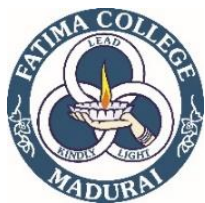
Insert a title screen - Import photos from disk - Image formats - Working withimages - Resize images - How to measure images – flip through the photos - Buildingaudienceparticipation.

UNIT V:SCRATCHCODE PROJECTS: [6 Hrs]

GhostBusters–Rockband–Lostinspace–Catboat–paintbox–Boatinrace–Memorygame–Brain game– Createyour own world

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TEXTBOOK:

Scratch1.4 Beginners Guide – Learn to program while creating interactivestories , games and multimedia projects using Scratch – by Michael Badger –PACKTpublishing, Mumbai.

WEBREFERENCES:

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

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ATTENDANCE

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வகுப்பு: IB.Sc. II		ஆண்டு: 2021-2022	Animation Closing Scratch	மாணவர்		வருகைப் பதிவேடு		20	ஆண்டு

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
1.	2020IT26	Lakshmishree S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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

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Mary Land, Madurai

DEPARTMENT OF Information Technology

Value added Courses - Course Teacher Name list

S. No.	Course Title with Course Code	Course Teacher	No. of Hours Taken
1.	Animation Using Scratch - 19UGVAI1	Dr. N. Kalaichelvi	30

Course Teacher Signature

Signature of the HOD with Seal

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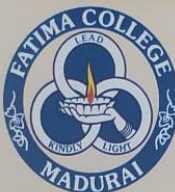**Fatima College (Autonomous), Madurai.**

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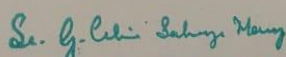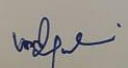
CERTIFICATE

DEPARTMENT OF IT

FATIMA COLLEGE (Autonomous)

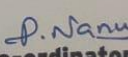Re-Accredited with "A++" Grade by NAAC (Cycle-IV)

Mary Land, Madurai - 625018.

This is to certify that Ms. ......Aarthi M......................................

has successfully completed the Value Added Crash Course on

ANIMATION USING SCRATCH

during the academic year 2021 - 2022 and has been
awarded Distinction / ~~First~~ / ~~Second class.~~

Dr.Sr.G.Celine Sahaya Mary
Principal

Head of the Department

Co-ordinator