

JADAVPUR UNIVERSITY
COMPUTER AIDED DESIGN CENTRE
Faculty Council of Engineering and Technology
Kolkata - 700 032

Certificate Course on
2D Animation using Flash

This course covers the fundamentals of 2D animation techniques using Adobe® Flash software.

At the end of the course students will learn the basic concepts of 2D Animation, storyboarding and create animated digital multimedia content for media using the tools and techniques as available in the Adobe Flash software.

The CAD Centre is the pioneer institute in the field of Multimedia and Web technologies. The centre has engaged highly experienced faculty members from the academic sector as well as industry. All of our faculty members are industry experts and well known professionals.

Course Duration: 44 hrs.

Eligibility: Higher Secondary or equivalent

Participants must have mobile devices running Android 4.0.3 or above; laptop/desktop computer with Windows; and stable internet connectivity. Google Meet should be preinstalled in the mobile device; and Adobe Flash CC should be installed in the laptop/desktop.

Syllabus:

Topics	No of Theory Classes	No of Practical Classes	Total No. of Classes
Principles of Animation, tracing a character in flash	1	0	1

Bouncing ball, pendulum and other animations using principles of animation.	1	1	2
Storyboard concepts & using camera angles in flash, character model sheet	1	0	1
Creating your own Storyboard, zooming, panning a scene, background creation.	1	0	1
Tools, menu, properties, use of library, concept of groups & symbols, concept of frames, keyframes, layers.	1	0	1
Grouping & symboling a character in Character Model sheet, introducing short animations. (introducing frame by frame animation)	1	0	1
Concept of Production pipeline ,working with path and guide and tween in animation.	1	0	1
Bird Fly and hand Animation	1	0	1
Use of symbols in animation, expression chart, mouth chart, applying expressions in your own character.	1	1	2
Walk cycle of two legged	1	1	2
Run cycle, jump.	1	1	2
Walk cycle of 4 legged	1	1	2
Lip sync with dialogue, animating your own storyboard with proper characters and backgrounds	1	1	2
Animating scenes with characters, props &	1	2	3

backgrounds, Publishing & exporting flash files and Composing all the scenes (creating your own portfolio)			
Total	14	8	22

Certificate: Completion certificate (in printed form) will be provided at the end of the course.