



**Dempo Charities Trust's
DHEMPE COLLEGE OF ARTS & SCIENCE
Miramar, Panaji-Goa**

Blender

[2 Credits 30 hours]

Course Objective:

The course is intended to visualise and design realistic 3D object models and to learn to animate them using Blender

Learning Outcome:

The students will be able to design realistic 3D objects and use them to create animated video clips.

Course Content

1. Introduction to 3D Visualization: Introduction, Visualizing 2D Views of a 3D Object, Visualize Shapes at Right Angle, Identifying Hidden Surfaces, Constructing a 3D Object from 2D Views. (5)
2. The Blender Interface: The Blender Screen. Window Types, The User Preferences Window, Open, Saving and Appending Files, Packing Data, Importing Objects (from other file formats), Moving Around in 3D Space, Window and Button Control, Creating Viewports. (5)
3. Creating Object and effects: Creating and Editing Objects and Materials and Textures. Working with Basic Meshes, Using Main Modifiers to Manipulate Meshes, Edit Mode-Mesh Editing. The Tool Shelf, Proportional Editing, Joining/Separating Meshes, Halo, Basic Texture Settings. Using Images, Movie, Displacement Mapping, Color, Stars and Mist, Lighting and Cameras, Render Settings, Ray-Tracing (mirror, transparency, shadows).(7)
4. Animation Basics and Adding 3D text: Basic Key-framing and Auto Key-framing, Working with the Graph Editor and Dope Sheet. Animating Materials, Lamps and World Settings, Rendering animation, Exporting animations to desired format, Blender 3D Text Settings and Converting to a Mesh. (7)
5. Creating the Mini Project (6)

References:

1. James Chronister, "Blender Basics Classroom Tutorial Book", cdschools.org 4th Edition.
2. Blain John M. The Complete Guide to Blender Graphics (English, Paperback, Blain John M.), Taylor & Francis Inc.

*Dr. Anil
Ms. Supra Nair*

Dempo Charities Trust
Dhempe College of Arts & Sci

Miramar – Goa.

Academic Year : 2017 - 18

SHORT TERM COURSE ATTENDANCE SHEET

Name of the Course : **Blender**

Topic: Basic Animation using Blender

Class :- **F.Y.B.Sc.**

Batch:- _____

Roll no.	Name of Student	Lecture No.	1	2	3	4	5	6	7	8	9	10
		Date:-	24/9/17	25/9/17	26/9/17	28/9/17	16/11/18	16/11/18	29/11/18	23/11/18	5/2/18	5/2/18
		Time:-	11.30-1.30	11.30-1.30	11.30-1.30	11.30-1.30	11.30-1.30	11.30-1.30	11.30-1.30	11.30-1.30	11.30-1.30	11.30-1.30
17262	Narayan Bhandarkar	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17263	Tanisha Bhat	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17264	Arach Nisht	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17268	Sham Velen Ferrao	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17271	David Lolo	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17274	Smita Malik	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17276	Vibhav Pisswalekar	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17277	Sunshar Shaikh	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17278	Nihal Zhele	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17281	Seyon Yusuf	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17282	Samuel Bahjat	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17283	Tejas Lotlikar	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17285	Apurva Patil	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17287	Sweta Naik	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17288	Felix Rahul Saqueira	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17289	Sonal V	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17291	Fatima A-H	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB
17292	Shrinidhi Kati	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB	NSB

Name & Signature of the Teacher

[Signature]
 Ms Shilpa Naik

HOD

[Signature]
 Incharge Comp Sci

Dhempe College of Arts & Science

Miramar - Goa.

Academic Year : 2017 - 18

SHORT TERM COURSE ATTENDANCE SHEET

Name of the Course : **Blender**

Topic : Basic Animation using Blender

Class :- **F.Y.B.Sc.**

Batch:- _____

Lecture No.	11	12	13	14	15	16	17	18	19	20
Date:-	16/2/18	17/2/18	19/2/18	20/2/18	26/2/18	27/2/18	5/3/18	6/3/18	12/3/18	13/3/18
Time:-	11:30-1:30	11:30-1:30	11:30-1:30	11:30-1:30	11:30-1:30	11:30-1:30	12:00-2:00	11:30-1:30	12:00-2:00	12:00-2:00
Roll no.	Name of Student									
17262	Narayan Bandodker									
17263	Tanvir Bhat									
17264	Ganesh Aikh-									
17268	Sham Viben Ferris									
17271	David Lobo									
17274	Smriti Malik									
17276	Vibhav V.S. Pisswalekar									
17277	Sunobei Shaikh									
17278	Nihal Shukje									
17281	Seyan Young									
17282	Samirulloh									
17283	Tegor Lotikar									
17285	Aparva Patti									
17287	Sweta Naik									
17288	Felix Sequencia									
17289	Sonal V									
17291	Fatima AH.									
17292	Shimchi Koti									

Name & Signature of the Teacher

Shilpa Naik
Ms Shilpa Naik

HOD

Tejchaye
Tejchaye
Comp Sci



**Dempo Charities Trust's
Dhempe College of Arts and Science
Panaji, Goa**

Report of Value-added courses held in the academic year 2017-2018

Department: **Computer Science**

I. Name of the Course: **PHP & MYSQL**

No. of students: **18**

Fees: **Rs.1500/-**

Resource Person: **Mr. Senon S. De Souza**

Co-ordinator: **Mr. Senon S. De Souza**

Duration: (Dates) From **01/08/2017 to 13/03/2018 (40 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Not Issued**

Bills: Settled/Not settled **Not settled**

II. Name of the Course: **Blender**

No. of students: **18**

Fees: **Rs.1500/-**

Resource Person: **Mrs. Shilpa Naik**

Co-ordinator: **Mrs. Shilpa Naik**

Duration: (Dates) From **25/09/2017 to 20/02/2018 (40 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Not Issued**

Bills: Settled/Not settled **Not settled**

III. Name of the Course: **C++**

No. of students: **17**

Fees: **Rs.1000/-**

Resource Person: **Mrs. Shilpa Naik**

Co-ordinator: **Mrs. Shilpa Naik**

Duration: (Dates) From **01/07/2017 to 29/08/2017 (40 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Not Issued**

Bills: Settled/Not settled **Not settled** Name of the Course: **Hadoop**

IV. Name of the Course: **Hadoop**

No. of students: **17**

Fees: **Rs.1000/-**

Resource Person: **Ms Teja Kundaikar**

Co-ordinator: **Ms Teja Kundaikar**

Duration: (Dates) From **4/12/2017 to 28/02/2018 (40 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Not Issued**

Bills: Settled/Not settled **Not settled**

V. Name of the Course: **C Programming**

No. of students: **16**

Fees: **Rs.1000/-**

Resource Person: **Ms Lavina De Silva**

Co-ordinator: **Mrs. Annie Rajan**

Duration: (Dates) From **20/7/2017 to 18/11/2017 (20 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Issued**

Bills: Settled/Not settled **settled**

VI. Name of the Course: **C Programming**

No. of students: **10**

Fees: **Rs.1000/-**

Resource Person: **Ms Lavina De Silva**

Co-ordinator: **Mrs. Annie Rajan**

Duration: (Dates) From **12/8/2017 to 17/11/2017 (20 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Issued**

Bills: Settled/Not settled **settled**

Handwritten:
5/4/18
Ms Shilpa Naik
Incharge, Comp Sci.