

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

- 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)
- 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)
- 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)
- 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:

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

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Dempo Charities Trust

Dhempe College of Arts & Sci

Miramar - Goa.

Academic Year: 2017 - 18

SHORT TERM COURCE ATTENDANCE SHEET

Name of the Course : Blender

Topic: Basic Animation using Bland

Class :- F.Y.B.Sc.

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Name & Signature of the Teacher

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Batch:-

Ms Shilpa Naile

Dhempe College of Arts & Science

Miramar - Goa.

Academic Year : 2017 - 18

SHORT TERM COURCE ATTENDANCE SHEET

Name of the Course : Blender

Topic: Basic Animation wany Blender

Class :- F.Y.B.Sc.

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Name & Signature of the Teacher

Mrs Stulpa Naik

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Batch:-

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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

1. 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: (17ates) From 4/12/2017 to 28/02/2018 (40 contact hours) Attendance Record: Maintained/Not Maintained Attendance Record: Maintained/Not 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: (Datcs) 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

