



"Techno - Social Excellence"

# Marathwada Mitra Mandal's Institute of Technology (MMIT)

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Survey No. 35, Vadgaon Shinde Road, Lohgaon, Pune - 411 047

Approved by AICTE, New Delhi, Recognised by DTE, M.S.Mumbai, Affiliated to Savitribai Phule Pune University

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**DTE Institute Code : 6203**

AY 2018-19 Term II

## Department of Computer Engineering

Date : 27/02/2019

### NOTICE

All the SE computer students are hereby informed that, Computer Department has organized - one day workshop on "BLENDER-Open Source 3D Tool" on 2/03/2019(Saturday), from 9:00am to 3:00pm, in association with Animationwala.com, Pune. Interested students are requested to register their names with 100/-Rs. Registration fee, before 28/02/2019 to the co-ordinator.

Ms. Uma Karanje  
Co-ordinator

HOD

HOD  
Computer Engg.  
Marathwada Mitra Mandal's  
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## Report

*On*


**"BLENDER – Open Source 3D Tool for Animation"**

*Workshop For*

**SE Computer Engineering Students**

*Held on*

**2<sup>nd</sup> March 2019**

  
Ms. Uma B. Karanje  
Coordinator

  
HOD

HOD  
Computer Engg.  
Marathwada Mitra Mandal's  
Institute of Technology (MMIT)  
Lohgaon, Pune - 411 047



## Resource Persons:

Mr .Rajesh Khele (Founder & Director-Animationwala.com, Pune)

Ms.Uma B. Karanje (Assistant Professor, MMIT, Pune)

Total no. of participants : 45

## Objectives :

The objectives of the session is as follows :

- To understand the installation and interface with Blender S/W
- To add basic shapes in 3D view
- To understand & use materials and textures
- To understand the use of lights & camera in a scene
- To create simple animation & add sound track to blender file
- To convert blender file into MPEG video file format

## FDP Contents:

Since animation is an art which requires a tool to express the creativity, we have chosen Blender which is a free and open source software. In this workshop, we had discussed about the 3D visualization concept, talked about the system configuration required for using Blender, and explained the installation procedure.

- **Blender Interface**

Blender follows its own user interface conventions. Instead of making use of multiple windows as defined by your particular OS/GUI, it creates its own “windows” within a single OS/GUI window, which is best sized to fill your screen. Blender was originally created by a 3D graphics shop for their own in-house use.

- **Different screen types**

- The Info Editor at the top.
- A large 3D View.
- A Timeline at the bottom.
- An Outliner at the top right.
- A Properties Editor at the bottom right.

- **Modeling**

Four 3D Views (top, front, side and perspective), Properties editor for Editing.

- **Lighting**

3D Views for moving lights, UV/Image editor for displaying Render Result, Properties editor for rendering and lamp properties and controls.

- **Materials**

Properties editor for Material settings, 3D View for selecting objects, Outliner, Library script (if used), Node Editor (if using Node-based materials)

- **Painting**

UV/Image Editor for texture painting image, 3D View for painting directly on object in UV Face Select mode, three mini-3D Views down the side that have background reference pictures set to full strength, Properties editor.

### Program Outcomes

- Interact with the interface to add basic shapes
- Modify and apply materials and textures
- Add and adjust lights and camera in a scene
- Animate simple objects to create animation
- Create animated MPEG video file with sound



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INSTITUTE OF TECHNOLOGY (MMIT)  
Lohgaon, Pune-411047  
"Towards Ubiquitous Computing Technology"  
DEPARTMENT OF COMPUTER ENGINEERING

Attendance of Workshop

Class:-SE

Date:-2.03.2019

Sr.No.	Roll. No	Full Name of the Candidate	Signature of the Candidate
1	SEA26	GAIKWAD KAJAL RAJU	
2	SEA21	DORGE ONKAR BALKRISHNA	
3	SEA43	JAGTAP ANKITA ARUN	
4	SEB07	KHAIRE SIDDHI RAJESH	
5	SEA30	GHANWAT MANJUSHA HANUMANT	
6	SEA42	JADHAV VISHAKHA BALASAHEB	
7	SEB33	SARWADE HARSHAD DEVANAND	
8	SEB23	PATEL JAY DILIP	
9	SEB40	SHREEYA SUNIL DESHMUKH	
10	SEA33	GONDKAR MAHESH RAJENDRA	
11	SEB37	SHEKH SAHIL NASIR	
12	SEB03	KADAM VIRAJ SHRIKANT	
13	SEA15	DAVALE BALAJI RAJENDRA	
14	SEA14	CHOURE VAIBHAV KIRAN	
15	SEB27	PATIL SURAJ VASANT	
16	SEA09	BIRADAR MADHAV KERBA	
17	SEB29	PAWAR SHUBHAM BALAJI	
18	SEA23	DUDHATE LAXMAN RAMRAO	
19	SEB18	MIRGE SHUBHAM JAYAJI	
20	SEA20	DONGARE VAIBHAV CHANDRAKANT	
21	SEB05	KANCHAN DNYANESHWAR ZUNJRUK	
22	SEB34	SAWANT ROSHAN YASHWANT	
23	SEB17	MATHWALE SANTOSH RAMRAO	
24	SEA31	GHORPADE PRATIKSHA DHANAJI	

25	SEB28	PAWAR PRADIP VINAYAK ✓	Pawar
26	SEB14	LOKHANDE PRACHI MAYANAND	Prachi
27	SEA24	GADEKAR KETAKI MACHINDRA	Ketaki
28	SEA32	GHUGARKAR PRACHI VIJAY	Prachikar
29	SEA38	HULAWALE KAJOL ANIL	AB
30	SEA40	JADHAV POOJA SOPAN	Poojadhav
31	SEA35	HANNURE AISHWARYA MARUTI	Maruti
32	SEA45	JALLAPELLI VIRAJ	Viraj
33	SEB31	PUNDKAR MANALI ANIL	Manalikar
34	SEA12	CHAVAN AISHWARYA SUJIT	Ashavan
35	SEA19	DIXIT SANCHIT MAHENDRA	SMD
36	SEA29	GAWADE KOMAL SURYAKANT	Sgawade
37	SEB13	LAGAD SUJIT SANTOSH ✓	Sujit
38	SEB04	KAKADE HARSHAL GANPAT	Harshade
39	SEA39	INGLE VIJAY RAVINDRA	Vijay
40	SEB41	SHREYAS MAHALE	Shreyas
41	SEA11	BIRAJDAR DATTATRAYA PARMESHWAR	Somdatt A
42	SEB20	MUKIM CHINMAY LAXMIKANT	
43	SEB10	KULKARNI SARTHAK SANJAY	
44	SEB21	Sahil Jakirhusen Mulla ✓	S. Mulla
45	SEB04	Ashwini Yadav	Ashwini
46	SEB38	Vishal Shelke	Vishal
47	SEB42	Priyanka Shrivastava	Priyanka
48	SEA34	Rushikesh Gajjar	Rushikesh

U.B. Karanje  
Co-ordinator