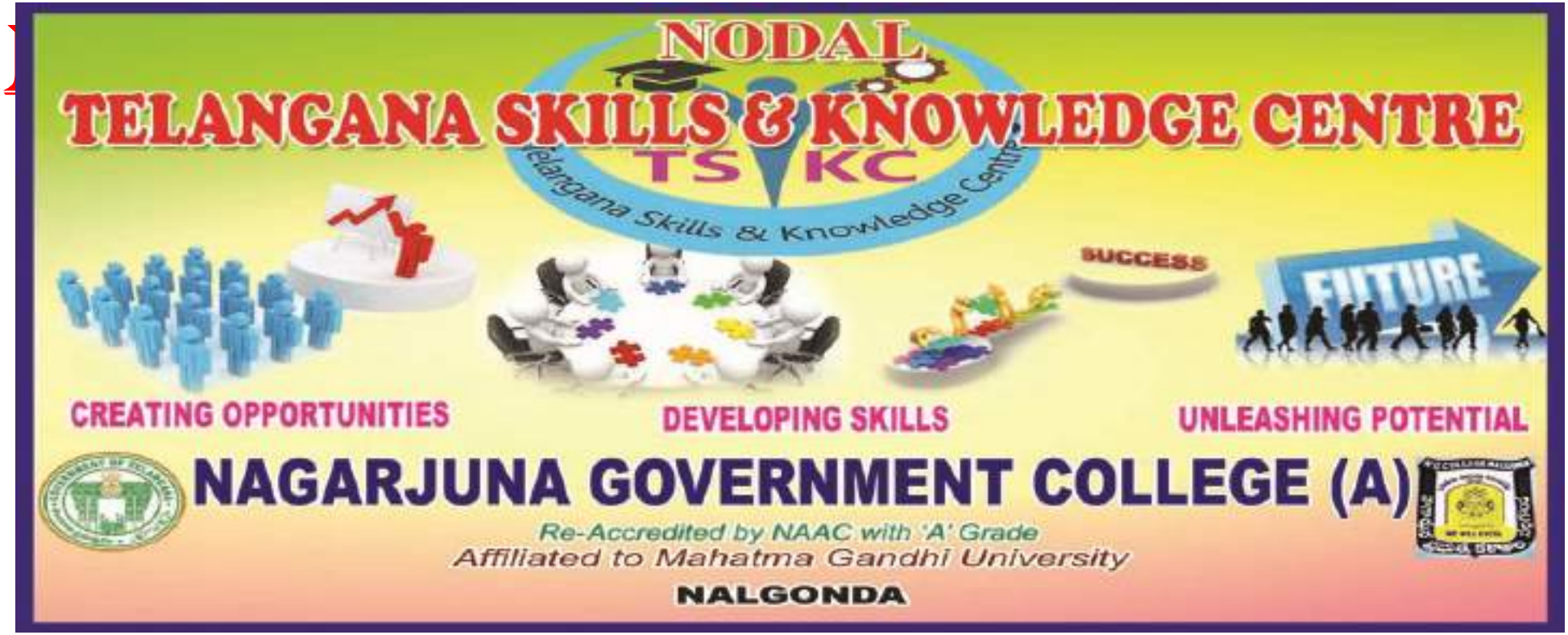
NAGARJUNA GOVT. COLLEGE (A)

IIT BOMBAY SPOKEN TUTROAL

AYADEMIC YEAR: 2021-22

Organized by



CERTIFICATE

COURSE

The Spoken Tutorial project

- Self explanatory - uses simple language
- Audio-video - uses multi sensory approach
- Small duration - has better retention
- Learning by doing - learn and practice simulta-neously
- Empowerment - learn a Foss

Target Group

- Students - High-School and College
- Working professionals - software users, developers and trainers
- Research scholars
- Community at large

Workshop

The spoken Tutorial Project team conducts workshops on Bender and other FOSS using spoken tutorials and gives certificates to those who pass an online test.

The Spoken Tutorial Project is funded by the National Mission on Education through Information and Communication Technology, Ministry of Human Resource Development, Government of India.

Contact us

Email: contact@spoken-tutorial.org

Website: http://spoken-tutorial.org

IIT Bombay

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Spoken Tutorial

http://spoken-tutorial.org

National Mission on Education through Information and Communica on Technology (NMEICT)
https://www.sakshat.ac.in

Funded by MHRD, Government of India

Blender Introduction

Blender is the free and open source 3D creation suite

It is used to create animated movies, visual effects, interactive 3D applications and video games.

It is available under the GNU General Public License for all operating systems, Linux, Mac OS X, FreeBSD, OpenBSD and Microsoft Windows.

The Blender site allows you to download and use pictures and graphical creations. All materials of Blender's Open projects are freely licensed as Creative Commons making it easy to reuse and be mirrored.

Originally developed as an in-house tool, the Blender software now is being developed online by a community of developers. It is comparable to 3dsMax to a great extent

Movies created using Blender

- SpiderMan- 2
- Elephants Dream
- Yo Frankie!
- Big Buck Bunny
- Sintel
- Tears of Steel
- Caminandes: Gran Dillama
- Cosmos Laundromat
- Glass Half
- Caminandes: Llamigos
- Agent 327: Operation Barbershop

Features

For those who are pursuing a career in advanced graphics application, Blender offers a wide range of options. Blender's features include 3D modeling, UV unwrapping, texturing, rigging, water and smoke simulations, skinning, animation, rendering, particle and other simulations, video editing software, compositing and the ability to create interactive 3D applications, video games, animated film and visual effects.

More advanced tools include rigid, realistic body, fluid, cloth and softbody dynamics simulation, modifier-based modeling, character animation, a node-based modeling.

Using the spoken tutorial series on Blender, You will learn -

- 3D Views
- 3D Modelling
- Texturing
- Animation
- Navigation - Camera View
- Moving in 3D Space
- UV/Image Editor and many such features

Useful Links

Blender
https://www.blender.org

Project Oscar by IIT Bombay
http://oscar.iitb.ac.in

Learning made easy by using Blender

Repository Learning made easy using Blender IIT-B has developed programmes under the Project Oscar (Open Source Courseware Animations Repository) to build a large repository of web-based, interactive animations and simulations, referred to as learning objects (LOs), for teaching and learning concepts in science and technology. For more information website here please visit http://oscar.iitb.ac.in

Aim

The current goal is to develop LOs for topics in various subjects at the Undergraduate and Postgraduate levels. An auxiliary goal of Project OSCAR is to provide training opportunities to students in developing LOs, managing the back-end of the repository, and conducting educational research. Each LO is platform-independent, developed in either Java or Flash or Blender, and can be viewed through a web-browser interface. The key difference between these LO's and powerpoint/openoffice animations lies in the interactive nature of the LO's. All the material developed in project OSCAR are Open Source Courseware.

NAGARJUNA GOVT. COLLEGE (A) NALGONDA
TELANGANA SKILL & KNOWLEDGE CENTRE

Blender Certificate Course

in collaboration with

IIT Bombay Spoken Tutorial

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Report:

Telangana Skill & Knowledge Centre (TSKC) conducted a certificate course on Blender from 01-01-2022. In this course 68 III Year students from EHP TM and BBA were enrolled and successfully completed their course.

Course outcome:

Blender offers a wide range of options in advanced graphics application. Blender's features include 3D modelling, UV unwrapping, texturing, rigging, water and smoke simulations, skinning, animation, rendering, particle and other simulations, video editing software, compositing and the ability to create interactive 3D applications, video games, animated film and visual effects. More advanced tools include rigid, realistic body, fluid, cloth and softbody dynamics simulation, modifier-based modelling, character animation, a node-based modelling. Using the spoken tutorial series on Blender, student will learn 3D Views, 3D Modelling, Texturing, Animation, Navigation - Camera View, Moving in 3D Space, UV/Image Editor and many such features

NAGARJUNA GOVT. COLLEGE (A) NALGONDA
TELANGANA SKILL & KNOWLEDGE CENTRE

Date: 22-12-2021

NOTICE

All the B.Sc, B.Com & B.A students are hereby informed that, those students who are not registered in IIT Bombay Spoken tutorial should register from 22-12-2021 by scanning the QR Code. Last date for registration is 28-12-2021.

Note:

1. It is a free of cost & remote learning training
2. After completion of course you will get a certificate from IIT Bombay Spoken Tutorial
3. Course will be allot and intimate on 30-12-2021
4. Already registered student no need to register again

TSKC Co-Ordinator (Nodal)
N.G. College (A), NALGONDA

NAGARJUNA GOVT. COLLEGE(A) NALGONDA

TELANGANA SKILL & KNOWLEDGE CENTRE

IIT BOMBAY SPOKEN TUTORIAL

Blender- Certificate Course-Student Enrollment

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NAGARJUNA GOVT. COLLEGE(A) NALGONDA

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1 Online / Offline content

1. The online content of Spoken Tutorials can be accessed from : http://spoken-tutorial.org/tutorial-search/
2. You can also download the Spoken Tutorials for offline learning from : http://spoken-tutorial.org/cdcontent/
3. From this link download the FOSS categories in the language you wish to learn.
4. The Spoken Tutorial content will be downloaded as a zip file on your machine.
5. Extract the contents of the zip file & access them.

2 The procedure to practise

1. You have been given a set of spoken tutorials and files.
2. You will typically do one tutorial at a time.
3. You may listen to a spoken tutorial and reproduce all the steps shown in the video.
4. If you find it difficult to do the above, you may consider listening to the *whole* tutorial once and then practise during the second hearing.

3 Blender

1. Click on `"Select FOSS"` or `"All FOSS Categories"` drop-down and choose `"Blender"`.
2. Click on `"Select Language"` or `"All Languages"` drop-down and choose the language (English, Hindi, Marathi ...) in which you wish to learn.
3. Click on `"Submit"` button.
4. You will see a list of tutorials based on your selection.
5. In this series, first 2 tutorials are `Hardware requirement and How to install Blender on Windows`
6. If Blender is already installed, skip these tutorials. Otherwise, watch them and install `Blender`.
7. Start with the third tutorial `"3D Cursor"` in the displayed list.

4 Third tutorial: 3D Cursor

1. Locate the topic `"3D Cursor"` and click on it.
2. To view the tutorial, click on the `Play` icon which is located in the player.
3. The `Pre-requisite` will be visible below the player (only for Online contents).
4. `Outline, Assignments, Code Files and Slides` are available below the player.
5. Adjust the size of the browser in such a way that you are able to practice in parallel.

4.1 Instructions to practise

(a) Create a folder on the `"Desktop"` with your `"Name-RollNo-Component"`. `(Eg. "vin-04-Blender")`.
(b) Give a unique name to the files you save, so as to recognize it next time. `(Eg. "Practice-1-vin")`.
(c) Remember to save all your work in your folder.
(d) This will ensure that your files don't get over-written by someone else.
(e) Save your work from time to time, instead of saving it at the end of the task.

4.2 Common instructions for Assignments

(a) Attempt the `Assignments` as instructed in the tutorial.
(b) Save your work in your folder.

4.3 Common instructions to use Code files

(a) Click on the link `"Code files"` located below the player and save it in your folder.
(b) Extract the downloaded zip file.
(c) You will see all the code/source files used in the particular tutorial.
(d) Use these files as per the instructions given in the particular tutorial.

6. Play-pause-practise the whole tutorial.
7. Once the tutorial is complete, choose the next tutorial from the playlist which is located on the right side or below the player.
8. Follow all the above instructions, till you complete all the tutorials in the series.

NAGARJUNA GOVT. COLLEGE (A) NALGONDA
TELANGANA SKILL & KNOWLEDGE CENTRE

Date: 30-12-2021

NOTICE

All the below mentioned groups of IIT Bombay Spoken Tutorial registered students are hereby informed that, TSKC allotted your course for the Academic year 2021-22 shown below. In this regard instructed that completed your course before 31-01-2022.

Sl.No	Group	Year	Allotted Course	Duration
1	EHP EM	III Year	Blender	1 Month
2	BBA	III Year		
3	BZG	III Year	Cell Designer	
4	BTZC	III Year		
5	BTBZ	III Year		
6	MBZ	III Year		
7	MBC	III Year		
8	BZC	III Year		
9	MPC	III Year	Geo Gebra 5.04	
10	MPG	III Year		
11	MSCS	III Year		
12	MPCS	II Year	Introduction to Computers	
13	BCOM CA	II Year		
14	BBA	II Year		
15	MPC	II Year		
16	BBC	II Year		
17	MZC	II Year		
18	MSCS	II Year		
19	BZG	II Year		
20	BZC	III Year		
21	BZC	II Year		
22	BZCS	II Year		
23	MSDS	II Year		
24	BCOM Taxation	II Year		
25	MPCS	III Year	PHP and MySQL	
26	BCOM CA	III Year	Accounting and Finance - FrontAccounting-2.4.7	

Note: Any doubts contact @ TSKC Lab, NG College(A) Nalgonda

TSKC Co-Ordinator (Nodal)
N.G. College (A), NALGONDA

Instruction Sheet for Blender Installation

Spoken Tutorial Team
IIT Bombay

1 The procedure to install Blender on Ubuntu Linux OS

1. To follow the installation procedure, you need to be connected to the internet.
2. You must have `Synaptic Package Manager` installed on your machine.
3. If not installed, please install `Synaptic Package Manager` using `Ubuntu Software Center`.

1.1 The procedure to install `Blender`

1. On Ubuntu 10.04 - Click on `System` >> `Administration` >> `Synaptic Package Manager`.
2. On Ubuntu 11.04 and higher,
   (a) Press the `Window` key on your keyboard to open `Dash Home`.
   (b) Type `Synaptic Package Manager`.
   (c) Click on the `Synaptic Package Manager` option.
3. Enter your password.
4. Click on `OK`.
5. In the search box type `Blender`.
6. Click on the `Blender` check box and click on `Mark for Installation`.
7. Click on `Mark`.
8. Finally, click on `Apply`.
9. Again, click `Apply` for installation.
10. The installation will take a few minutes depending on your internet speed.

1.2 The procedure to install `Blender` via `Terminal`

1. Open the terminal by pressing `Ctrl + Alt + T` keys together.
2. Now in the terminal type `sudo apt-get install blender` and hit `Enter`.
3. Enter the system password if required.
4. It will display how much has to be downloaded from the internet and how much disk space will be occupied.
5. Press `y` to confirm this.
6. This will install blender.

1.3 The procedure to check `Blender installation`

1. Open the terminal.
2. Now in the terminal type `blender` and hit `Enter`.
3. This will open the `Blender interface`.

2 The procedure to install Blender on Windows OS

1. Go to the website `http://www.blender.org/download`.
2. Based on your system configuration, choose your closeset location under `64bit` or `32bit`
3. This will download the latest version of `Blender`.
4. Double-click the downloaded file to run it.
5. Follow all the instructions to install `Blender`.
6. Once the installation is completed successfully, you can open `Blender`.
7. To open `Blender`, click on `Start` menu, click on `All programs` and then on `Blender`.

Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

This is to certify that **ANGOTHU KARTHIK KUMAR** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022

Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India

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Certificate of Participation

This is to certify that **BAKKA NAGARAJU RAJU** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022

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Spoken Tutorial
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Certificate of Participation

This is to certify that **BHUKYA ANUSHA** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022

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Certificate of Participation

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A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022

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A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022

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Spoken Tutorial
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Certificate of Participation

This is to certify that **KADHIRE NAGARAJU** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022

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Spoken Tutorial
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Certificate of Participation

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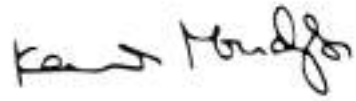
A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022



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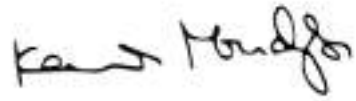
A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022



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Certificate of Participation

This is to certify that **NARABOINA RAMYA** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **PAKA MAHESH** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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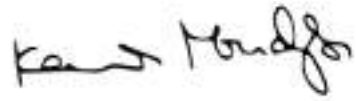

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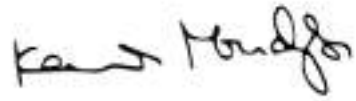

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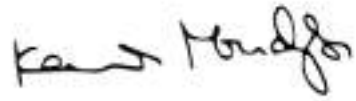

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This is to certify that **SAINI SHIVA SAI** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **VIJAYKUMAR VALLAPUDASU** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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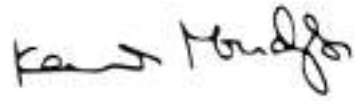

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This is to certify that **MEKALA MOUNIKA** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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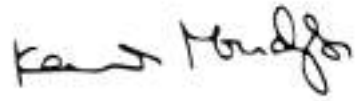

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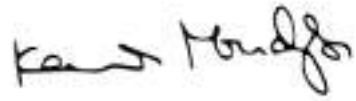

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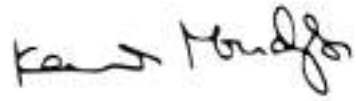

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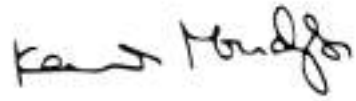

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This is to certify that **JERIPOTHULA HARISH** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Blender** were covered in the training.

March 2nd 2022

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This is to certify that **MOHAMMED MAJEED ALI** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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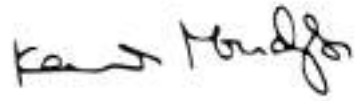

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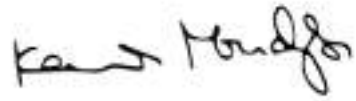

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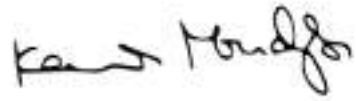

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This is to certify that **CHITTIMALLA HARIKRISHNA** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **SRI SAI SRESHTA** participated in the **Blender** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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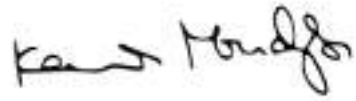

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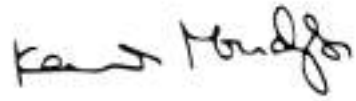

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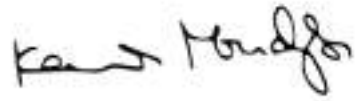

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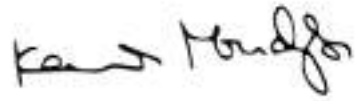

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