

Professional Certificate In

# 3D Packaging Modeling & Animation

**ONLINE LEARNING**



**NEW RAIN**  
MULTIMEDIA INSTITUTE





## NEW RAIN

MULTIMEDIA INSTITUTE

New rain multimedia institute is one of the best online multimedia course provider in Sri Lanka. We have created a very friendly virtual learning environment with the latest technologies. Whether you are new to the creative industry or looking to improve your skills, we have the right online course for you. Well-qualified, experienced certified instructors train the participants with easy-to-use step-by-step training material in the most optimized period of time. We are so sure about the quality of our certification because we are conducting online courses join with the Sri Lanka Tertiary & Vocational Education Commission, Sri Lankavocational training authority, Nenasala campus & Asian education institute & etc.

We do not stop there. New rain expanded online education in the fields of ICT & Computing, Business Management, Hospitality Management, Engineering, Personal & Professional Development, Language Training and Corporate Training.

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Welcome

# The Multimedia Industry 3D Technology Market Overview

3D Technology Market was valued at \$46.0 billion, and is expected to reach \$175.1 billion by 2020, supported by a CAGR of 21%.

3D technology is delivering three dimensional views of the captured images or data. There is an increasing demand for 3D technology based products in various application sectors such as entertainment, healthcare, aerospace, government and defense, entertainment and automobile and industrial segments. 3D technology creates highly accurate and precise images of an object. Use of 3D technology in various application segments would help in saving production time and cost. Designers get a readymade tool to have an intuitive understanding of the feasibility of any product right at the initial stages.

Within the 3D technology market, 3D display accounted for maximum revenue in the year 2013, mainly due to the popularity of stereoscopic displays in televisions and mobile phones and it will have a direct impact on the overall 3D display technology market, as it is the maximum revenue-generating segment. In addition, 3D printing is projected to grow at a CAGR of 39.1% during the analysis period and is the most attractive market segment in the overall 3D technology market.

Within the 3D application market, entertainment industry generated maximum revenue in the year 2013 and the same trend is observed through 2020.



# Course Overview

## Description

In this online course, you will learn the fundamentals of 3ds Max, different techniques of Packaging modeling, composing materials and textures, and in-depth UV Unwrapping techniques. This course is designed for beginners to intermediate-level users. So if you have never used 3ds Max before, don't worry, because the lessons at the beginning of this course are designed just for you.

## Who is this course for?

Those who are interested in learning packaging modeling & animation from the basics.

Complete beginners who have never used a 3D application before.

Intermediate level users who want to sharpen their skills further

Packaging designers who want to learn 3D packaging modeling & animation

## What can you expect?

After completing the course, you will have a solid foundation on how to use 3ds Max. You'll gain a significant amount of 3D packaging modeling and animation skills. Not to mention you will understand a lot of important concepts around 3D packaging modeling. I hope you find this course interesting and beneficial.

## Course content

# Packaging Modeling & Animation

### **Content : Theory & Practicals**

1. Introduction to Software (3DS Max)
2. Basic 3D Modeling Techniques
3. Texturing
4. Lighting and Rendering
5. 3ds Max for Packaging Visualization
6. Working with a virtual camera
7. Understanding the camera settings and lenses
8. Animating Objects
9. Animation Principles and Elements
10. Advanced Animating Techniques
11. Rigging 3D Models
12. Polygonal-based 3D modeling
13. Spline-based 3D modeling
14. Subdivision 3D modeling
15. 3D modeling with precision
16. Maintaining the Topology of 3D Models
17. Advanced Rendering Techniques (Arnold Renderer)
18. Professional Lighting Systems for Product Visualizing
19. Look development fundamentals using the Physical material and
20. Different UV mapping techniques including UV Projection and UV

### **Practical /Assignment :**

Create 3D Animated Product Models Using the camera, lightiing & materials

### **Teaching-Learning activities :**

Illustrated talk  
Demonstrations  
Individual practices

### **Assessment :**

Formative Assessment + Summative Assessment

### **Softwares :**

Autodesk 3D'S Max, V-Ray or Arnold.

# Course Delivery





# Supporting your online learning journey...

The Packaging modeling & animation is available to study online via the New Rain Multimedia Institute's dynamic online learning environment.

How we can guide you through your online learning journey:



Access HD video lectures with accompanying downloadable course material.



Discussion forums, to interact with fellow students and a tutor with an expertise in multimedia skills and practices.



Access resources to help you with your studies including self-directed practical exercises and recommended reading.



The LMS can be accessed 24/7 through your desktop or mobile device.



Your Programme Manager is available to support you during your study and assist with any administrative related queries you may have.



## Outcome Assessment Strategies

Assessment is designed to indicative achievement of the course outcome and performance tasks. The instructor will outline the methods used to assess student progress and the criteria for assigning a grade at the beginning of the course. Assessment will be based upon a combination of in-class participation", attendance, examinations, and quality of the multi-media project(s). Determination of problem solving skills, team work, and communication skills may also be included.

# Resource persons who deliver the program



**CHATHURANGA RATHNAWEERA**

External academic consultant at multimedia,  
Founder at viana tv founder,  
Creative director at studio eyelash president at art circle.

# Entry requirements

- Able to operate a Windows computer.
- Already have 3ds Max installed at least version 2020.
- A standard mouse with a scroll wheel and middle mouse button.

# Duration

02 Months / 2 days per week / 2 hours per day / 32 Lecture hours.

For more information or to  
register for a course please  
contact us

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