




 **MONOLITH**  
RESEARCH AND TRAINING LABS



# WHO ARE WE ?

**MONOLITH RESEARCH AND TRAINING LABS** is the training arm of Monolith Technologies Private Limited, India. Spread across eight countries in the Asia Pacific and United Kingdom region, Monolith aims to act as a platform that is open to everyone who are looking to upskill and reskill themselves in order to create an ecosystem of adaptive and perceptive manpower that can successively identify and develop products to satisfy the ever-growing demands of the future media communication industry. By creating such a platform for all kinds of learners, from students who are piqued with interest to tech-enthusiasts who are looking for a way to enter the blooming world of creativity and technology, Monolith identifies its diversity in the student demography.



In addition, Monolith's training courses are designed and are being updated based on the advancing technological developments. Students who can keep up with the advancements of the technology can only strategize to produce scalable and sustainable products that could withstand time and inspire others to do the same. Monolith acts as a stage built to value creativity and innovation to such kind of students. By pushing them to pursue their curiosity to manufacture solutions for problem statements of various domains, Monolith engineers the minds of the future.

# WE DIRECT YOUR DREAMS

## #RoadToFuture



**WE INSPIRE**



**WE MOTIVATE**



**WE EMPOWER**



**Genius hour &  
Learning in  
groups**

**Assistance on  
internship &  
Guest Lectures  
from Industry  
Experts**

**Brainstorming  
sessions & Soft  
skill training**

**Unreal &  
Toon Boom  
Authorized  
Instructors**

**1:2 ratio of  
theory and  
practical classes**

**Hands on  
experience with  
live projects.**

**State-Of-The-Art  
Lab Facilities.**

**ATC**

Toon Boom  
Authorized  
Training Centre



# PARTNERSHIP



Toon Boom  
Authorized  
Training Centre



MEDIA & ENTERTAINMENT  
SKILLS COUNCIL

**aixr.**



**IECD**  
BHARATHIDASAN  
UNIVERSITY



## EPIC GAMES

Unreal Engine is a very popular 3D Computer Graphics Game Engine developed by Epic Games. Known for its scalability, Unreal Engine can be used to produce a variety of content. With the help of Unreal Engine, several famous games have been produced including Fortnite. The Game Engine is versatile and has applications in Game Development, Advertising, Virtual Production, Virtual Testing, Automotive Product Design and Film Production.



Unreal Engine keeps updating itself to satiate its users which makes it a completely trust-worthy tool for its diverse applications. Unreal Engine proves to be extremely effective in terms of its sustainable solutions and could be the ultimate tool to design Next-gen products.



Monolith Research and Training Labs is an Unreal Authorised Training Centre accredited by Epic Games. The presence of Unreal Authorized Instructors in place at the Academy ensures the highest quality of training and teaching the students will be needing to continuously grow with the evolving Industry requirements.

## TOON BOOM

Toon Boom is an Animation production and Storyboarding Software which can be employed to develop films, web animation, games, training applications et cetera. Toon Boom's Harmony is a tool that has high application in the Animation industry. It's built with pencil lines with textures, deformation tools, inverse kinematics, 2D-3D integration and 3D camera. Monolith is an Authorised Training Centre for Toon Boom which is a recognition given to assure the quality of instructor-led training that will be provided by the Training Centre.



## MESC



Media & Entertainment Skills Council is an organization that is focused in producing a vibrant eco-system for quality vocational education and skill development. Monolith is recognised by MESC for the skill development workshops and courses that are provided by the academy.



## AIXR

AIXR is one of the growing members of AR/VR community. They offer professional development, and connection in the industry. Monolith offers various courses that are verified and with excellent product delivery that can consequently be of great influence in the expanding AR/VR community.



## BHARATHIDASAN UNIVERSITY

Bharathidasan University promotes scholarly, scientific and critical inquiry among the learners to move forward in the frontiers of knowledge and enrich and elevate themselves. Courses provided in collaboration with Bharathidasan University will earn completion certificates that are valid across Commonwealth countries.



# CALL FOR ALL THE CURIOUS MINDS

The world has set a predestined path for everyone. There are conventions and guidelines to guide you through your life. We, on the other hand, urge you to defy them all. There are plenty of fish that swim around together as a school. But the one who swims against the tide lives an adventurous life. And when everyone tells you to pursue a solid career, there is one person who is focusing on what is moving their life, inch by inch, forward. That person is driven by curiosity, which by all means is the ultimate driving force.

And the technology of tomorrow needs those people. The current tech industry is seeking ways to outsource freelancers over hiring them permanently and has this concept called "quiet hiring". They need people who know themselves and what they are strong at. And we will provide the figures that can change your view.

It has been predicted that 2023 will determine the way technology is going to flow in the upcoming decade. The very hyped-up Metaverse will add \$5 trillion to the global economy by the end of 2030. AR and VR aren't the only fields of science and technology that have the potential to give the world a new makeover.

Creative fields hold a constant position in the ever-growing tech-world. The animation industry, be it 2D or 3D, is rapidly growing and conveniently sustaining itself among the other creative technology fields. The global animation market was valued at \$391 billion in 2021 and is projected to grow to over \$587 billion by 2030, making it one of the most reliable yet constantly multiplying fields in the world.

The gaming industry is and has always been a billion-dollar industry: Esports, mobile gaming, and XR gaming are some of the leading revenue collectors. The mobile gaming industry raised around \$103.5 billion in the year 2022, whereas PC and console games received around \$90 billion. It has been observed that new game development startups and indie developers arise afresh in the gaming kingdom every two months. So, it is safe to say that job opportunities in all the creative technology fields will always see a growth curve.

The fuss is all about creativity because, after producing tonnes of technical minds who operate over digits, the products manufactured at the end of the day will need designing and, obviously, selling. To gather around and convince the audience that they need the product, it will require some pretty strong 4C skills: communication, collaboration, creativity, and critical thinking.

New phases of the technology keep getting released. It's no wonder that curiosity is the ultimate force of life, which will yield creativity that gives way to products that elevate the living standards of humans. That is why we urge you to defy reality to find a persistent spot in this varying world of technology.

# ADMISSION PROCESS



## GET YOUR PROSPECTUS

Go through the details provided and opt for the course of interest.



## ONE-ON-ONE COUNSELLING

Free counselling session to understand the current market demand and field of interest.



## ELIGIBILITY CHECK AND SCREENING

Check eligibility for the desired course. The screening process allows us to determine the student's eligibility.



## TECHNICAL DISCUSSION

Among the brains of the current leaders of the market, students will be guided through the specifications of selected course.



## SUBMISSION OF APPLICATION

Important certifications that convey the student's educational background must be submitted with the necessary details filled in.

# EVENTS

Monolith organises workshops, bootcamps, and industrial visits for Engineering Colleges and Arts & Science Colleges. Some of the notable colleges like Vels University, SRM, Saveetha University, Shasun College, St. Joseph College, Crescent University, Alpha College, DG Vaishnav, MOP Vaishnav have visited the academy's campus for Industrial Visit.

Free online events and workshops are held from time to time on stimulating topics that match the current Technological growth. And students from varying backgrounds attend these workshops to upskill and introduce themselves to contemporary technological trend.

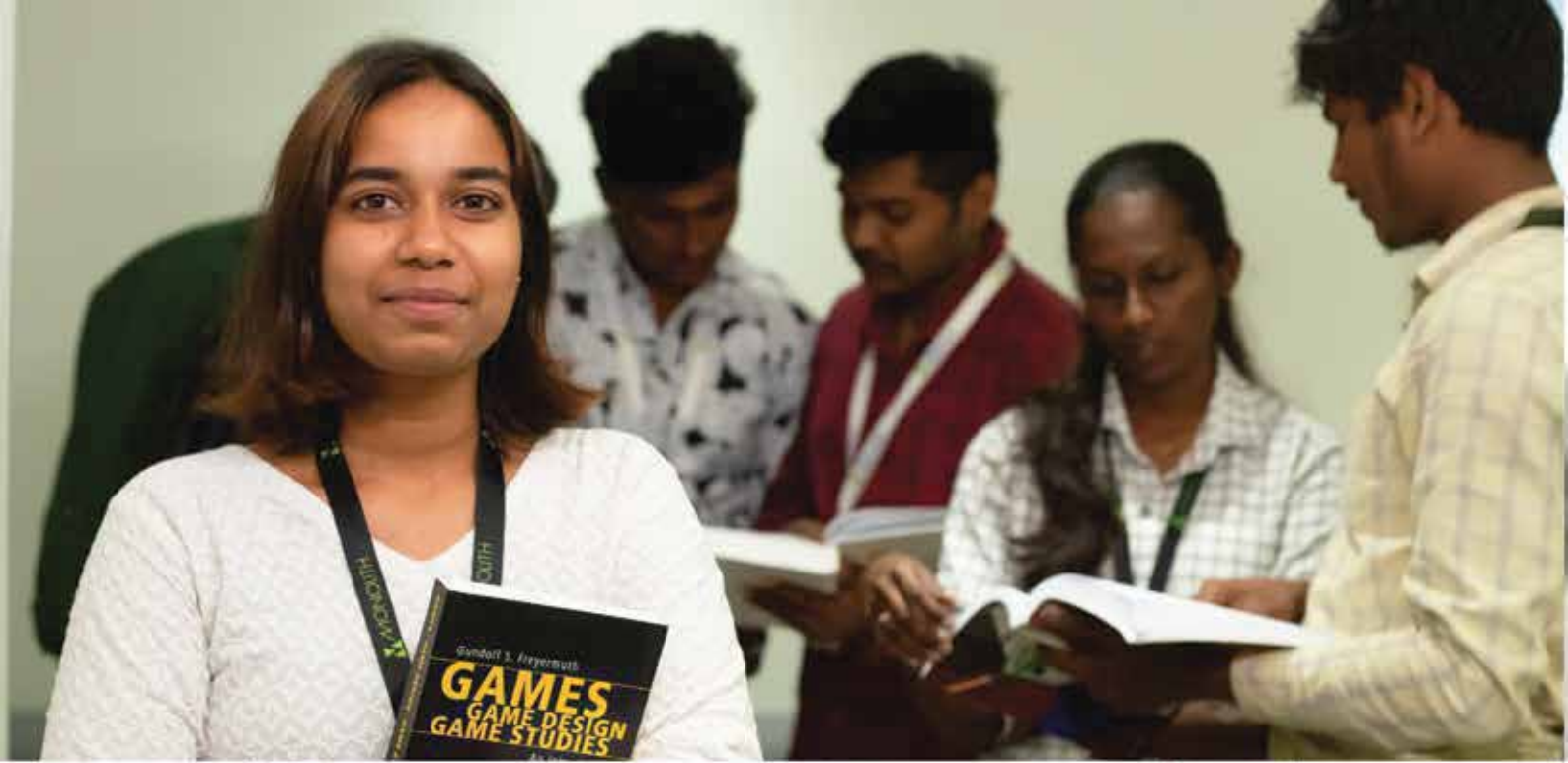
# INFRASTRUCTURE

Monolith Academy's campus has highly defined and distinguished workspace and lab area. The structurization is sleek, and contemporary.

With state-of-the-art Immersive Lab, Monolith imparts wholistic wisdom through corresponding practical knowledge. An educational institution's organisation gives definition to the institution itself and aids in the process of teaching. Monolith, with its well-furnished study area endorses learning by being a stress-free environment with minimal interiors in the classrooms. Because of its aptly equipped lab and classroom area, Monolith encourages students to practice research and carry out their genius hours that's part of the teaching methodology during class hours. All this converges down together to the best transmission of knowledge to the students.



ROAD  
TO  
FUTURE





## ACCOMMODATION SERVICES

In addition, Monolith provides support to students from different states and remote regions with dorm facilities by assisting them to acquire proper living space to pursue their education. From helping students to find appropriate places to live off as paying guests to arranging them hostels, Monolith offers its full support for the students to get the ultimate learning experience.

## FINANCIAL SUPPORT

Monolith focuses on providing a total help to the students in all the fields, and one of it is support with the finances. To acquire loans and similar support for their perusal of studies, Monolith assists them to procure them.



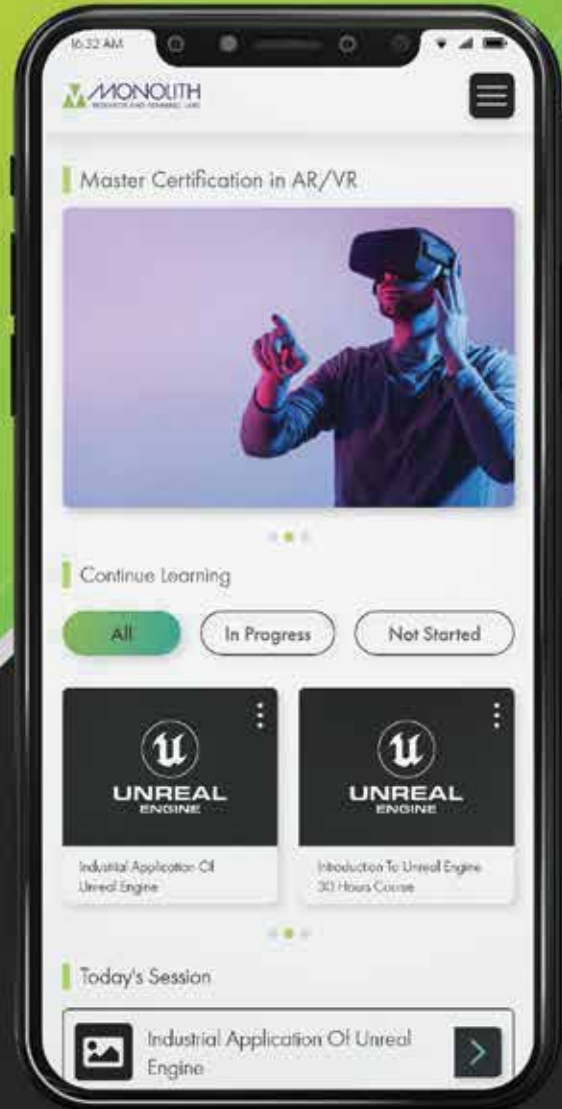
## PLACEMENT SUPPORT

Students' judgement is green when they are young. Helping them understand and determine their desired area of interest is the first step in building a solid foundation for their career. Monolith assists them throughout the process and helps students in obtaining positions in the best companies. Students will gain industry experience through internships during the program. These beneficial internships enable them to gain a direct and accurate view of the industry, allowing them to progress to greater heights. With Monolith's huge list of clients, associates, and partners, one hundred per cent placement support is provided.

# LEARNING MANAGEMENT SYSTEM

Learning Management Systems are getting highly popular nowadays.

Companies develop their own platforms to promote "Corporate training".



## WHY LMS?

LMS plays a huge role in remote education for students who can't get access to conventional learning methods. They have positive retention effects and engagement among the audience as they're gamified and added with interactive elements, quizzes, scenario-based questions to elevate the learning experience.



## IT IS EFFICIENT.

LMS is an efficient way to incorporate flexible and consistent learning to the students. Monolith provides Free Access for Lifetime through LMS.



## IT IS ACCESSIBLE.

As Virtual Learning is gaining popularity because of its efficiency and accessibility, crowds are shifting towards that direction because of the ease of use.



## AN ALL-INCLUSIVE SOLUTION.

LMS provides a solution to explore, learn and acquire knowledge on various discipline at the comfort of one's availability and desired location.

Monolith keeps updating the learning portal by continuously uploading educative articles and informative videos to encourage consistent learning as new phases of technology unfolds.

## FLIPPED CLASSROOM

What if students did the “classroom” portion of their learning at home and their “homework” in the classroom? That is an simplified description of the flipped classroom approach, where students watch or read their lessons on computers at home and then complete assignments and do problem-solving exercises in class.

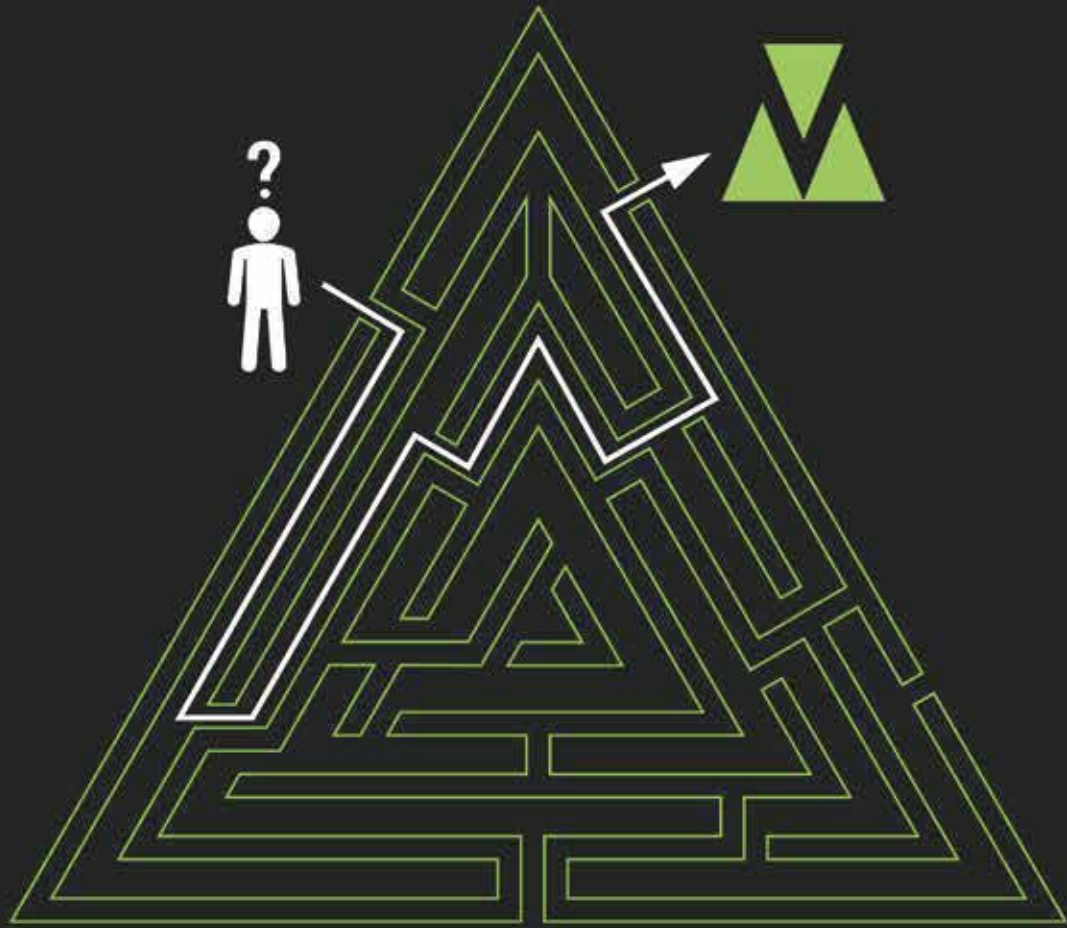
## KINAESTHETIC LEARNING

In the kinaesthetic learning model, students perform hands-on physical activities rather than listening to lectures or watching demonstrations. Kinaesthetic learning values movement and creativity over technological skills and is most commonly used to augment traditional types of instruction.

## GAMIFICATION

The basic objective development of gamification is to engage the target audience, create an interactive learning environment, and deliver training in any subject matter. In non-game environments like classroom, Monolith incorporates gaming features to enhance the learning experience. And also, it has been observed that game-based learning promotes greater retention of knowledge.

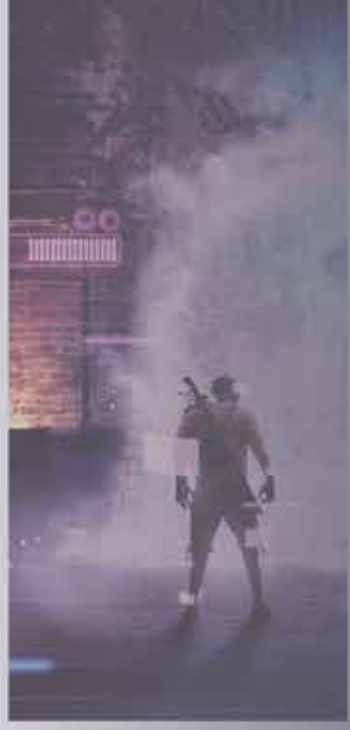




**BUILDING GREATER PATHS FOR THE CURIOUS MINDS.**



# DISCOVERING AR & VR IN 100 HOURS



# DISCOVERING AR & VR IN 100 HOURS



**MODE:** Online

**DURATION:** 6 Months

## COURSE OVERVIEW

Extended reality holds the future. Metaverse has been the buzzword for so many years now. Even though there is no concrete definition for the concept, we can feel the screws tightening up to move the wheels forward to a magnificent future. The 100-hour programme on discovering AR & VR will lend you knowledge about these powerful technologies that can place you in the Metaverse, where you can visualise and build kingdoms of your own.





**BECOME**  
**A GAME**  
**ARCHITECT**



# BECOME A GAME ARCHITECT



**MODE:** Online

**DURATION:** 6 Months

## COURSE OVERVIEW

The gaming industry is one of the biggest empires in the world of technology. The need for games in ordinary life is simple: they make our lives better. For many people, games are the preferred poison for acquiring value education or escaping boredom. All this says that the graph of this industry is always going to be upward. Through this comprehensive 6-month programme, you will acquire knowledge to envision and fabricate a game of your vision.





# CREATING A MULTIPLAYER GAME IN UNREAL ENGINE



# CREATING A MULTIPLAYER GAME IN UNREAL ENGINE



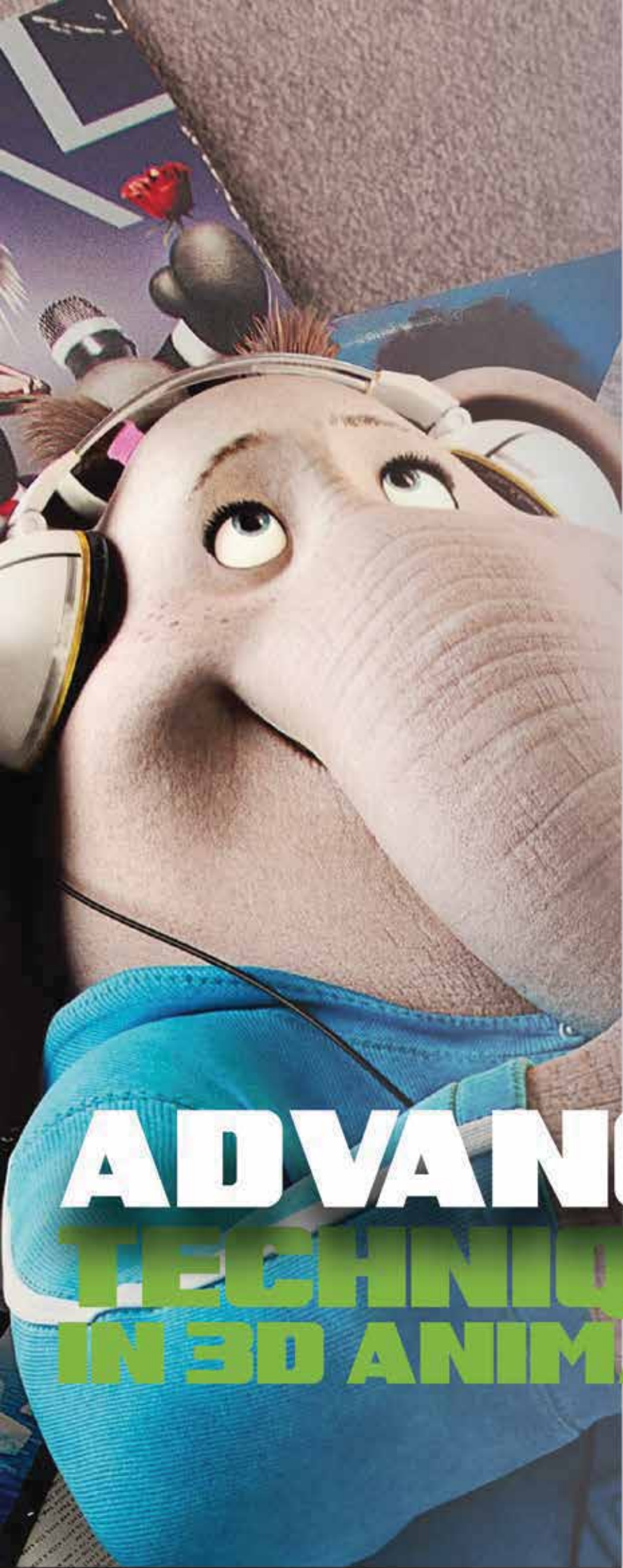
**MODE:** Online

**DURATION:** 6 Months

## COURSE OVERVIEW

A multiplayer game is a type of game where more than one player can inhabit the same virtual environment with other players from anywhere in the world. Since the success of World of Warcraft, multiplayer games have been a hit. In this detailed 6-month programme, you will be creating your own multiplayer game from the very first step. From scene modelling, game UI, audio effects, and designing all the characters who make up a game, you can animate your thoughts.





# ADVANCED TECHNIQUES IN 3D ANIMATION



# ADVANCED TECHNIQUES IN 3D ANIMATION



**MODE:** Online

**DURATION:** 6 Months

## COURSE OVERVIEW

3D animation is, in one word, hypnotic, and with the current advanced set of tools, you can add an extra set of dimensions to your thoughts and vision. This comprehensive course on 3D animation will start with the fundamentals of 3D modelling and hard surface modelling and the interface of 3D animation software before exploring the pipeline to build 3D empires of your own vision.





# SPRINT COURSE IN HARMONY



# SPRINT COURSE IN HARMONY

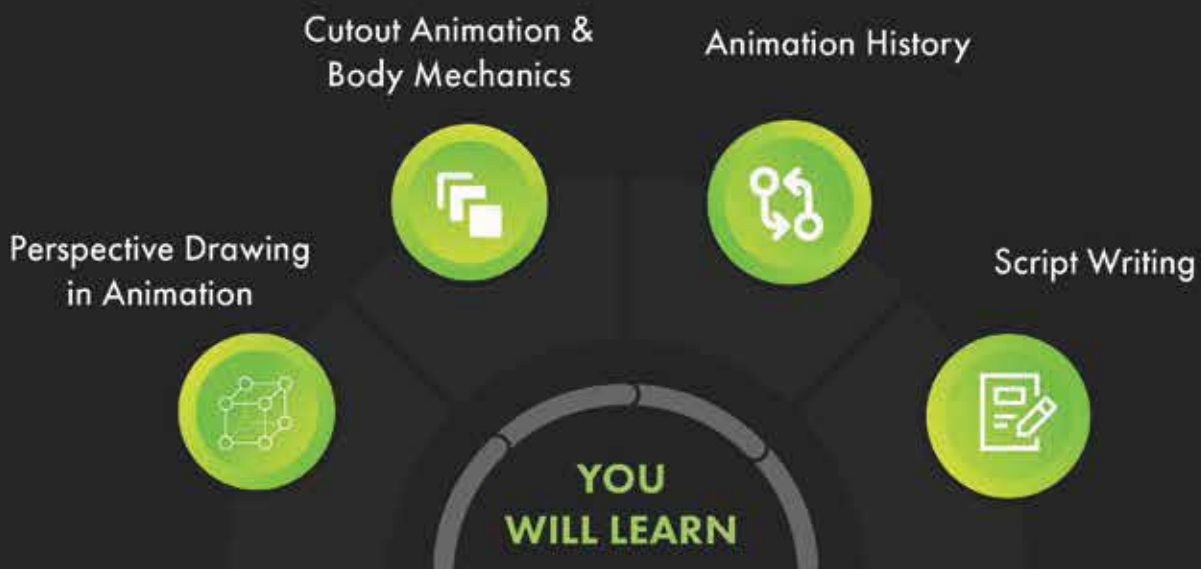


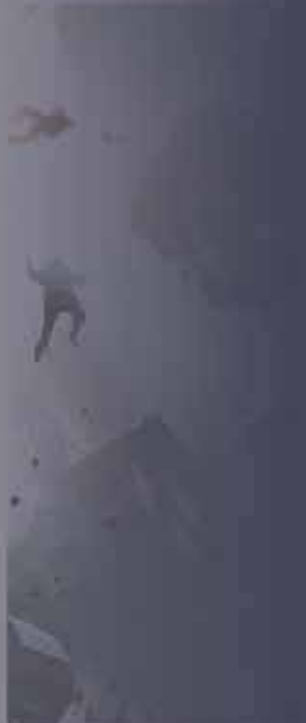
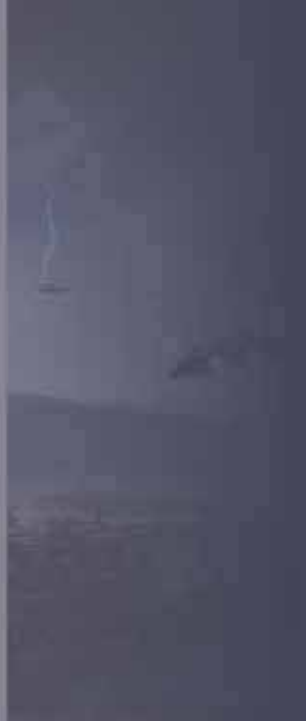
**MODE:** Online

**DURATION:** 6 Months

## COURSE OVERVIEW

Award-winning movies and series speak for Toon Boom, an all-in-one animation software. In this comprehensive course, you will gain knowledge about Harmony and Storyboard Pro. From the elemental concepts of animation to scripting, storyboarding, and filmmaking, this 6-month course will briefly cover everything about the 2D animation pipeline. Paperless animation is the modern 2D animation process, which will be extensively taught in this programme. From drawing to post-production, Toon Boom helps the user give soul to their dreams.





# EXPLORE UNREAL ENGINE



# EXPLORE UNREAL ENGINE



**MODE:** Online

**DURATION:** 3 Months

## COURSE OVERVIEW

Every world-class VFX and game development studio is adopting UE. It is an all-rounder when it comes to real-time virtual production and 3D creation. UE took over the world and is now branded as the ultimate software to produce the coolest content. In this 90-hour programme, you'll learn the basics of Unreal Engine 5, including the user interface, character and audio creation, and design. With your creativity, you can summon the world you desire.





# UNRAVELLING 2D INDUSTRY



# UNRAVELLING 2D INDUSTRY



**MODE:** Online

**DURATION:** 3 Months

## COURSE OVERVIEW

The 2D industry is one such industry that has been predicted to have a bright future in the world of technology. From 2D cartoons to animated explainer videos, they are characteristically hypnotizing. In this 3-month course, you'll be gaining knowledge on animation pipelines using Storyboard Pro and Harmony. By using this powerful software from Toon Boom, you can directly animate your ideas. Movies, gaming, explainer videos, and television series are just the beginning of 2D animation.





**FOUNDATION**  
**IN 3D**  
**ANIMATION**



# FOUNDATION IN 3D ANIMATION



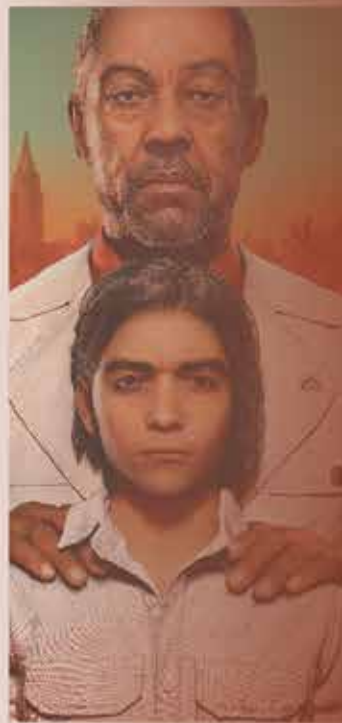
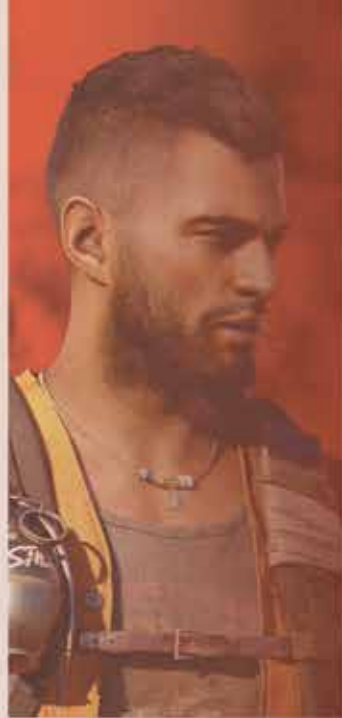
**MODE:** Online

**DURATION:** 3 Months

## COURSE OVERVIEW

3D animation is in vogue. From spellbinding movies to game creation, there is a high demand for 3D artists in this creative technology field. In this 90-hour programme, you will start with the fundamentals of 3D modelling and end up with key takeaways like modelling techniques, lighting, and operating 3D creation software. There is always a continuing need for creative minds who know their way around 3D creation tools, and with this programme, you will ace them all.





# **GAME ASSET CREATION**

FC6

# GAME ASSET CREATION



**MODE:** Online

**DURATION:** 3 Months

## COURSE OVERVIEW

A game is principally an entire universe made from scratch according to the creator's vision. The course emphasizes the key concepts of game design. There will also be a discussion about the game development pipelines of existing games. After completing this programme, you will have learned the fundamentals of Unreal Engine, game-level design, environment design, etc. for the successful creation of the game prototype of your dreams.

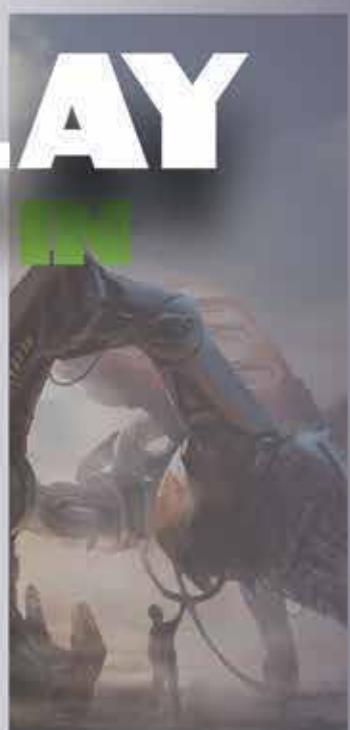




# GAME PLAY

## PROGRAMMING IN

# UNREAL ENGINE



# GAME PLAY PROGRAMMING IN UNREAL ENGINE



**MODE:** Online

**DURATION:** 30 Hours

## COURSE OVERVIEW

The gaming industry is and has always been a giant in the tech industry. In this 90-hour programme, you will learn how to use Unreal Engine to design characters and levels of gameplay. Creating a framework is the most important step in game development, which you will be doing for the game of your own imagination. Replicate the ideas in your mind and create gaming kingdoms from scratch through this programme.





# **RAPID GAMES** **PROTOTYPING IN** **UNREAL ENGINE**

# RAPID GAMES PROTOTYPING IN UNREAL ENGINE

**MODE:** Online

**DURATION:** 30 Hours

## COURSE OVERVIEW

This programme will teach you the fundamentals of Unreal Engine and how to use the world's most powerful game engine to create the game of your vision. You will also get to explore the different genres of games and consoles and understand the game development pipeline. Explore the tools and techniques to create the game of your vision, and build game prototypes from scratch at the end of this programme.





# GAME DEVELOPMENT ESSENTIALS



# GAME DEVELOPMENT ESSENTIALS



**MODE:** Online

**DURATION:** 30 Hours

## COURSE OVERVIEW

To give life to all the gaming kingdoms in your mind, you will require certain game development essentials. This programme will teach you game logic and will support you with the development of Unreal Engine blueprints and C++ for an effective process of giving life to your dreams. Through this 2-month programme, the key takeaways will be events, functions, statements, blueprint communication, and the concepts of creating game assets.





# GAME

DEVELOPMENT USING  
**UNREAL**  
BLUEPRINTS



# GAME DEVELOPMENT USING UNREAL BLUEPRINTS



**MODE:** Online

**DURATION:** 30 Hours

## COURSE OVERVIEW

Unreal Engine is the leading software that is employed by successful game development and VFX studios in the world. In this 30-hour course, you'll understand scenarios for using Unreal blueprints and C++. Also, you will learn how to create important parts of a game, including game assets and game logic. With this short programme's help, you can learn about the basics of constructing the game of your dreams and more.





# HARMONY

# HARMONY



**MODE:** Online

**DURATION:** 30 Hours

## COURSE OVERVIEW

Toon Boom's Harmony has set the standards for 2D productions across the world. The level of art that could be created with this powerful tool is exquisite. In this 30-hour online course, you will get to know the basics of Harmony, which will include rudimentary concepts of animation and the UI of this animation software. Paperless and cut-out animation and layout design are some of the core ideas you will have after completing this programme.





# STORYBOARD PRO



# STORYBOARD PRO



**MODE:** Online

**DURATION:** 30 Hours

## COURSE OVERVIEW

Stories begin the journey with storyboarding and animatics. With highly compelling software like Storyboard Pro by Toon Boom, you can see your visions come to life right before you. This 30-hour programme will give you a very structured idea of the basic concepts and UI of Storyboard Pro. Employed by storytellers and creative heads around the world, this programme combines the storyboard pipeline and animatics to provide you with the best way for the ideas in your head to materialize.





# NEED FOR **CURIOUS** MINDS IN THE CREATIVE TECHNOLOGY TREND.

## Contact Us



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