

# DEGREE BHI SKILLS BHI





# With an Elective GAME DESIGN & DEVELOPMENT



- 3 Years | UGC Entitled Online Degree Program
- + IGAME Professional Diploma(Autonomus)
- + Esports Management University certification

**Double Certification** 

**Live Sessions** 

**Self Learning Material** 

**Discussion Forums** 

**Online Exams** 

GAME INSTITUTE partnered with Jain University for UG,PG & Master programs. we are known for our private skilled courses designed for strong placement in tech and Designing Industry.

## About the Elective

Students graduating from any branch of Engineering either take up a job in a technical organization or pursue entrepreneurial interests in their specialized domain.

In either scenario, knowledge and application of management concepts and principles will prove to be a source of competitive advantage. The bapplication of the practice of management to the practice of engineering is popularly known as Engineering Management. An engineer with knowledge of management will have a significant edge over professionals with only technical knowledge. This unique combination of management and technical skills right at the onset of one's career will enable faster progression into managerial roles while being able to provide technical guidance. Such dual skilled engineers whom we popularly refer to as Management engineers are ideally positioned to leverage their understanding of management principles to improve both efficiency and effectiveness of work processes in an engineering enterprise – both in the manufacturing and service sectors. A Management engineer is well suited to oversee, monitor and lead a technical team on account of the administration orientation. The programs in this elective are drawn from all functional areas of management including but not restricted to Marketing, Finance, HR, Quality, Operations and Technology Management.

This elective has been specially designed to suit students pursuing an engineering degree in any branch or who have passed a Diploma in Engineering. Though a student is studying for two programs simultaneously, our BBA curriculum is designed such that it integrates the student's technical curriculum so as to minimize the additional load.

# **Elective Highlights**

- Integrates technical skills with the business acumen required in technology-based organizations.
- Thorough understanding of advanced topics in Emerging Technologies, Design Thinking, Engineering project Management, etc.
- Focus on techno-management expertise.
- Industry-aligned curriculum that delivers technical excellence and supplements professional skills
- A host of skill enhancement and ability enhancement courses in addition to core courses.
- Analyze problems and propose actions in real-world situations as part of the project work.

# **Eligibility**

Pass in the (10+2) examination from State Board / CBSE / NIOS / IGCSE / IB / ICSE recognized by the State or Central Government. Candidates who are due to appear in the (10+2) examination are also eligible to apply

# **Duration**

36 Months - Graduation + IGAME Professional

# **University Fee Structure**

Yearly Fee Structure			Yearly Fee Structure			One Time Universit	y Registration Fee	Annual Examination Fee	
Domestic Students			International Students			Domestic	International	Domestic	International
Semester	Yearly	Total	Semester	Yearly	Total		\$150*	₹3,000*	\$50*
₹27500	₹55000	₹165000	\$550	\$1100	\$3300	₹2,500*			

#### **GI IGAME Fee Structure**

Ye	arly Fee Struc	cture	Ye	arly Fee Stru	cture	Yearly One Time Maintenance Fees			
I	Domestic Stude	nts	International Students			Domestic			
Semester	Yearly	Total	Semester	Yearly	Total				
₹50000	₹100000	₹300000	\$1000	\$2000	\$8000	₹3,500*			

### **Combined Total Payable Fees**

FYBCOM	I + IGAME PR	O Yearly 1	SYBCOM	I + IGAME PR	O Yearly 2	TYBCOM + IGAME PRO Yearly 3		
[	Domestic Studer	nts	Domestic Students			Domestic Students		
Semester	Yearly	Total	Semester	Yearly	Total	Semester	Yearly	Total
₹77500	₹155000	₹155000	₹77500	₹155000	₹155000	₹77500	₹155000	₹155000

Fees can be paid in Easy Monthly Installments. Refer Installment charts for more details

# Admission Process

- + Website www.gameinstituteindia.com
- + Enquire now
- + Talk to our counsellors for more details
- + Apply for the right program
- + Provisional confirmation of admission
- + Document verification

- + Pay tuition/program fee
- + Confirmation of admission
- + Lms activation & issue of digital identity card
- + Start your pre-semester program
- + Commencement of live online sessions

# BBA+ **Engineering and Project Management**



with an Elective **GAME DESIGN & DEVELOPMENT** 

# **Program Structure\***

#### Semester 1

#### English

#### Business Management

# Introduction to Accounting

### Modern Business Environment

## Software Engineering

Quantitative Techniques For Management

#### Module 1

#### **Working with Artworks**

- ♦ Working on idea
- ◆ Assembling idea for Game
- ◆ Assembling different artwork
- Understanding the Artwork Style
- Designing rough assets for the Game
- Story boarding importance
- 2D content development
- Designing characters for the game
- Environment & Background Study for the games
- Designing rough levels

Skillset: After completion of module one students will able to understand the importance of artwork for Game Development, animation, VFX & Graphic industry. This module helps to clear idea of project development process

#### Semester 2

## Marketing Management

## Organization Behavior & HRM

# Introduction to Corporate Finance

# Project Management for Managers

## Introduction to **Business Analytics**

Communicative English

#### Module 2

#### **Exploring Graphics & User** nterface

- Understanding colour theory
- ◆ 2D Asset creation pipeline
- Creating assets in 2D softwares
- Working with Adobe Photoshop(PS)
- Understanding project flow in
- Understanding Graphic Art Style
- Working on 2D game BG/UI assignments
- Working with Adobe illustrator(AI)
- Designing Complete 2D Game art with PS, AI & Animate
- ◆ Learning UI/UX concept in Detail
- Group live project

Skillset: After completion of module 2 students will able to apply strong graphic visualization skillset to the projects and completes the Graphic understanding with inustrial level output and projects.



IGAME PROFESSIONAL is a program that can be customized according to the student needs. Were you get the option to choose which Game Engine you want to learn. IGAME PROFESSIONAL covers both Unity & Unreal Engine in details including Complete Engine Architecture, Visual Scripting with high level programming skills. Learners can opt any one of the engine skill set according to their preference.

If learners are confused to opt which engine to choose than in that they get 90 days window to decide after properly introspecting their needs and skills.





with an Elective **GAME DESIGN & DEVELOPMENT** 

# **Program Structure\***

#### Semester 3

Managerial Economics

Management Decision Making

Project Management Methodologies

> Technology for **Business**

> Environmental Science

#### Module 3

Mastering 2D Game Assets with Animation

- ◆ Learning to match, compose
- ◆ 2D art & Graphics in a Scene
- Working with industrial applications
- Working with adobe Animate/Spriter for Game Animations
- ◆ Learning to render Game assets & Animation for Game
- Understanding the character spirit Sheets for Games & **Animation**
- Working with Spirit sheets & Creating animations for Games
- Scene and cinematic compositing
- Working on 2D Games with Unity & Unreal engine

Skillset: Here after completion of 3rd Module of Game development process. Students will learn how assets are used for the games & animations and how a visual story telling is completed with the help of live projects.

#### Semester 4

Macroeconomics

Financial Markets & Instruments

E-Commerce

Risk & Quality Management

Entrepreneurship

### Module 4

Mastering 3D Game Assets with **Animatics** 

Learning to Create, Match & compose 3D Assets & Art Working with industrial applications like Maya/Blender & Mudbox/Zbrush Creating assets for 3D Games Working on game textures & **Game Background art** Creating cinematic for 3D Games **Creating Animation for 3D** Games Learn to make Prefabs

Assembling assets in group Scene and cinematic compositing Working on 3D Games with Unity & Unreal engines

Skillset: After completion of module 4 students will able to apply 2D & 3D skill sets to Games and other multimedia projects. Here student learns 3D asset creation for Game development.



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# BBA+ **Engineering and Project Management**



**GAME DESIGN & DEVELOPMENT** 

# **Program Structure\***

#### Semester 5

# Agile Project Management

Design Thinking

# **Emerging Technologies** in Information Management

Research Methodology

Personal & Managerial Effectiveness

#### Module 5

**Editing, Game Shaders & Generative** 

- Post production technics for Games
- Learning to Edit & compose Scenes
- Learning after effects, BM DaVinci
- Pftrack for Camera tracking & Rotoscopy & 3D tracking
- Applying effects in Game engines like Unity, Unreal and others
- Understanding Generative AI for Asset Creation
- Developing intense playable games like Platform, Puzzle,
- Shooter, Racing, Match 3, Al games, Social and others
- ◆ Learn to create complex Shaders & particles for game assets
- live Group project

Skillset: VFX Skillsets are very important to apply effects to games and other multimedia projects. It enhances the depth of work and very useful for post production techniques.

#### Semester 6

#### Operations Management

Strategic Management

Introduction to Artificial Intelligence

Information Systems for Business

Ethics & Values

Research Project \*

#### Module 6

**Visual Scripting to Programming** Games

- **◆Understanding Visual** Scripting & game programming Languages
- ◆Learn Unity Visual Scripting with C#
- Learn Unreal Blueprint with C++
- ◆Code Advanced C++ & C# logics for high-end Games
- ◆Learning to integrate 2D & 3D games with C# with Unity
- Learn to integrate 2D & 3D games with C++ with Unreal
- Understanding logics, Physics, Al movement & Networking for Games
- **◆**Understanding pipeline to **Link Cinematic & Games**

Skillset: Programming module covers the programming and scripting aspects for games, students will be able to apply logics to work and can create unique ideas with languages like C++, C# & Javascript.

\* Project will be carried out between Sem 5 and Sem 6, but evaluation will reflect in Sem 6



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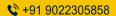


Over 2000 global corporations actively recruit graduates, enhancing employment opportunities.





# **DEGREE BHI! SKILLS BHI!**



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