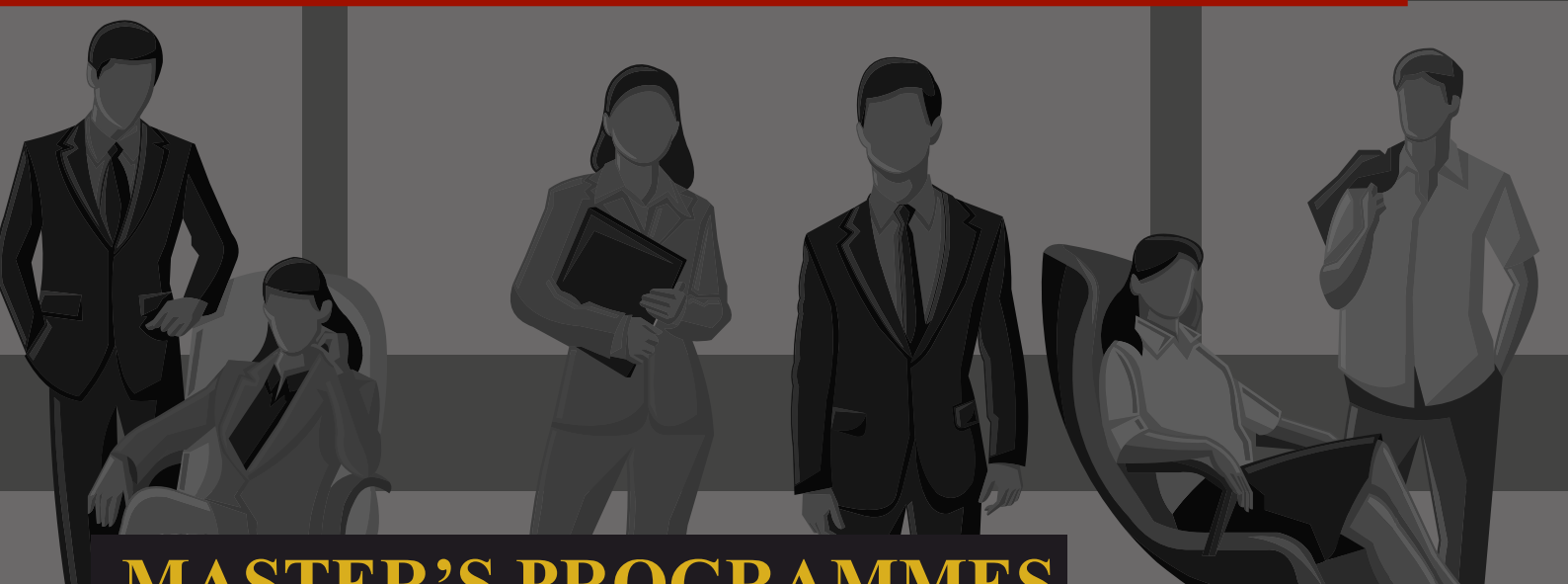


# JGU UNIVERSITY

EXCELLENCE BY CHOICE



## SCHOOL OF SCIENCE & TECHNOLOGY



## MASTER'S PROGRAMMES

- FinTech (IT in Finance)
- Business Intelligence & Analytics
- Mobile Application & UI Development
- Animation & VFX
- Cyber Security

*"Learners Today, Leaders Tomorrow"*



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**KNOWING IS  
NOT ENOUGH,  
WE MUST APPLY**



## ABOUT UNIVERSITY

At JG University, experiential and immersive learning is at the core. The programmes offered aim to prepare students to solve real-world problems using technology, creativity and innovation.

Our pedagogy is co-designed with industry stalwarts; the curriculum is focused on employability, enhancing soft & hard skills and exposure to real-life projects across various industries. The objective is to ensure that students are ready for tomorrow's workplace by creating Whole Brain Change Makers, technologically sound professionals, creative thinkers, and socially conscious citizens who will strive to lead changes in the industry and society.

- **National Education Policy (NEP) 2020 & UGC compliant programmes**
- **Faculty members with industry experience and academic expertise**
- **Collaboration with foreign universities for curriculum, delivery, and student exchange**
- **Hands-on experience using industry Use-Cases and emerging technology**
- **Fully paid on the job training opportunities**
- **Cross-cultural and cross-sectoral internship**
- **Course-embedded Capstone projects**
- **24\*7 accessibility of facilities to students and faculty members**



# FINTECH (IT in FINANCE)

**(2 YEAR MASTER'S PROGRAMME)**



In this 2 year programme students will gain a firm handle on Financial Technology and data analytics and its role in banking and finance. The curriculum of the Finance and Technology track enables students to take an active role in the technology transformation of the Finance industry. From big data to machine learning, the students will learn to use computational finance using its data analytics. This 2 year programme will provide students with in-demand financial econometrics, quantitative and analytical skills, including coding and programming capabilities, necessary to embark on a successful and exciting career in FinTech or in the financial services sector. Masters in this field will have a good understanding of finance, accounting, business information systems and analytic methods.

## + SOME OF THE IMPORTANT HIGHLIGHTED MODULAR STRUCTURES

- + Financial Econometrics Corporate
- + Corporate Finance
- + Financial Accounting
- + Financial Business Statistics
- + FinTech Primer
- + Digital Payments & Banking System
- + Foundations of FinTech & Associated Risks
- + Risk Management & IT Security
- + FinTech: Blockchain, Cryptocurrencies & Smart Contracts
- + Fundamental & Technical Analysis
- + Data-driven Financial Analytics
- + Digital Transformation
- + Data Analytics and Cloud Computing using Python
- + Machine Learning and AI in Finance



# BUSINESS INTELLIGENCE & ANALYTICS

(2 YEAR MASTER'S PROGRAMME)



Embark on a transformative journey with our 2 year Placement oriented Master's programme – a dynamic expedition into data-driven excellence. In today's information-centric world, our program seamlessly blends advanced data science with cutting-edge business intelligence strategies, unlocking unparalleled career opportunities.

Our programme is more than an education, it's a crafted adventure that equips you with a versatile skill set, covering Python programming, Big Data Technologies, Machine Learning, Deep Learning, and Natural Language Processing

(NLP). Enroll not just to learn but to transform into a strategic visionary, turning raw data into actionable insights.

As a tech luminary wisely stated, "Data is like the air we breathe. It only becomes noticeable when it's not there." This underscores the vital role of understanding and harnessing data for future success.

Imagine leading in IT programming, crafting robust databases, and exploring the vast landscape of data technologies, including Machine Learning, Deep Learning, and NLP.

Throughout this programme, evolve into a professional who uses data strategically. Join us on a journey to shape the future of data science and business intelligence – the world of data-driven possibilities awaits.



## SOME OF THE IMPORTANT HIGHLIGHTED MODULAR STRUCTURES



- IT Programming – Python
- Database Design & Development –MongoDB
- Big Data Hadoop- Ecosystem
- Hadoop Programming & Analytics tools
- Data Analytics Programming Language – Python
- Statistical Analysis using R
- Business Analytics – Agile & Scrum
- Visual Insight of Data - Exploring Data Graphically
- Big Data Engineering (ETL-Extract – Transform – Load)
- Machine Learning
- Cloud-based BI Solutions
- Deep Learning
- NLP



# CYBER SECURITY

(2 YEAR MASTER'S PROGRAMME)



M.Sc. IT in Cyber Security is a Specialized degree by JG University. The programme has been designed with the help of industry experts to guide and groom students for the competitive and dynamic new-age technology sector. The curriculum has been tailored in a way that includes both theory and practical, application-oriented learning. The course objective is to provide students with an in-depth understanding of all concepts and fundamentals of information security.

DURATION: 2 YEAR(4 SEMESTERS)

The course includes all the important aspects of securing network infrastructure with all the necessary topics covered. At the end of the programme students will be able to understand below technology:



**Cyber Security** Market size is expected to reach \$6.2 billion by 2028, rising at a market growth of 19.9% CAGR.

Global \$9+ Bn Web Application Firewall Market is Expected to Grow at a CAGR of over 16.5%

During 2022-2028 | Vantage Market Research



# MOBILE APPLICATIONS & UI DEVELOPMENT



**(2 YEAR MASTER'S PROGRAMME)**



The advent of internet technology in the mid-90s brought a major transformation in the world. Its birth gave rise to new technologies and IT industry expanded in scale like never before. The progress achieved in electronics and telecommunication industry made mobiles available to all. The developments in internet technology and the smart phone industry have given rise to many new sectors which are supporting business organisations and have a huge market of their

own. Mobile Application and Web Technology are two of these sectors that have seen phenomenal growth due the technological advancements. The industry today requires professionals who have specialised knowledge in these areas and can take up responsibilities to drive growth. The M.Sc. IT programme with Mobile Application as specialisation offered by JG University is designed to meet the knowledge and skill requirement of the industry.

**DURATION: 2 YEAR(4 SEMESTERS)**

M.Sc. IT programme ensures that the students are trained in core areas of computer science with Specialized focus on mobile technology. The programme comprises of vital subjects and practical labs which can help students be successful.



Gain in-depth Knowledge Of Programming Concepts  
Java Programming  
- DBMS  
- HTML 5  
- CSS3, JS

Exposure To Cross Platform App Development With Flutter And React Native.  
Enhance skills in Angular, Nodejs and Mongoddb.

Learn In Depth About Mobile App Development Using Android And iOS.  
- Android (Kotlin)  
- iOS (Swift)



# ANIMATION & VFX

(2 YEAR MASTER'S PROGRAMME)



The dynamic realms of animation and visual effects (VFX) are poised for an extraordinary future, fuelled by technological advancements and the ever-expanding appetite for immersive storytelling. Real-time rendering is revolutionizing the creative process, providing animators and VFX artists with unprecedented flexibility and efficiency. Artificial Intelligence is making significant inroads, enhancing character animation, scene creation, and even predictive rendering. This convergence of cutting-edge technologies ensures that the future will witness a seamless integration of the virtual and the real. In the VFX domain, the evolution is equally profound. Virtual filmmaking techniques, including LED walls and digital environments, are reshaping the way movies are made. Beyond cinema, VFX plays a pivotal role in simulations for industries like automotive, architecture, and healthcare. This course gives masterful command of Concept Artistry, Corporate Branding, UI Design, Advertisement Design, 3D Visualization, Film Studies, Motion Design, Virtual Filmmaking, VFX, Simulation Artistry, Compositing, and Game Design. This diverse skill set reflects a dedication to delivering cutting-edge visual solutions and immersive experiences across a broad creative spectrum.

**DURATION: 2 YEAR(4 SEMESTERS)**

## THE PROGRAMME HELPS STUDENTS TO:

- 1** MASTER THE ART OF ANIMATION & FILM MAKING
- 2** HONE CRAFT SKILLS
- 3** HELP FOSTER CREATIVE THINKING AND IDEATION
- 4** INCULCATE THE HABITS OF EXPLORATION & EXPERIMENTATION

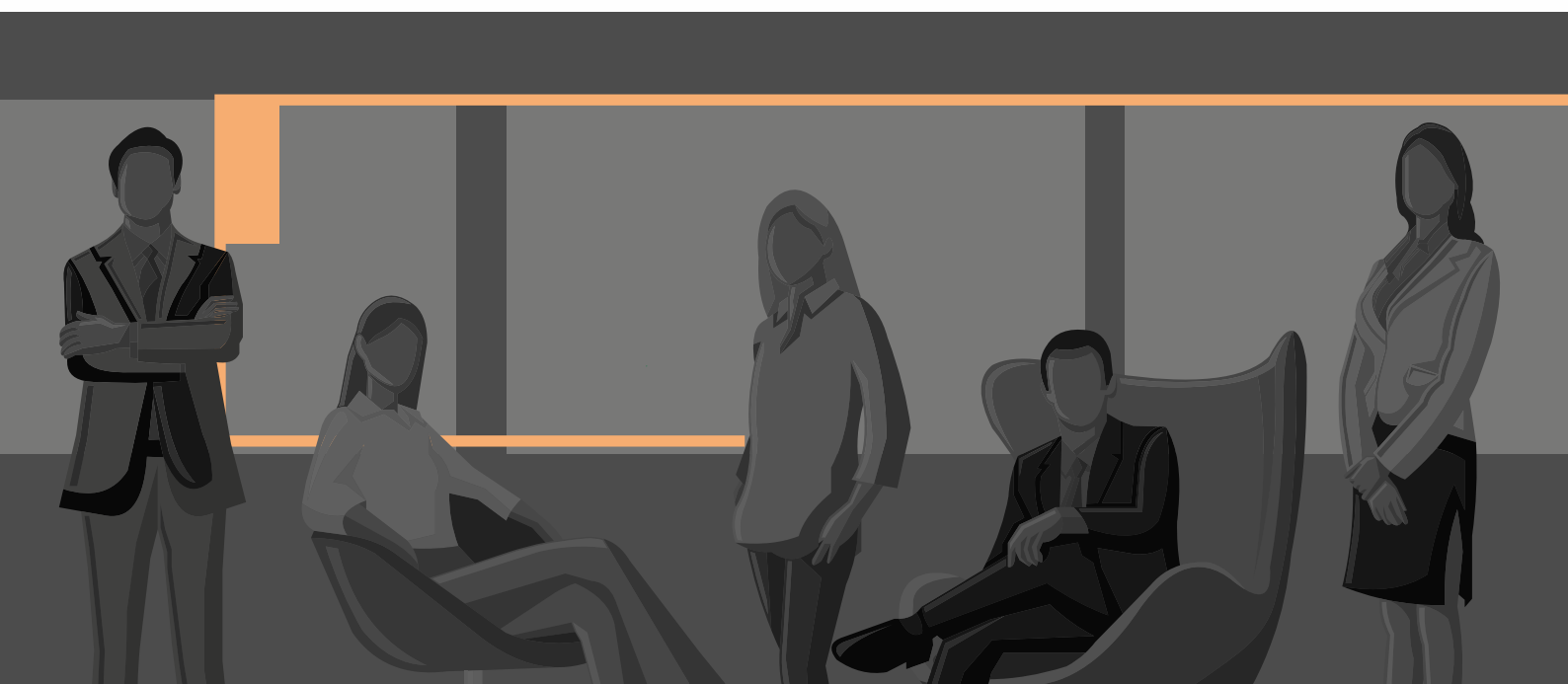


*“Believe in your Character, Animate with Sincerity”*




# PLACEMENT COMPANY LIST

- Godrej Info Tech
- Hitachi Systems
- Chintech Systems
- Bitscape Infotech
- State Cyber Crime Cell ,CID Crime
- Advantmed LLP
- Net logic Solutions
- AppsTech Solution
- Mangalam Information Technologies Pvt. Ltd
- ITCG Solutions Pvt. Ltd.
- BISAG-N
- AddWeb Solution
- DevIT Solutions Pvt. Ltd.
- VOLANSYS technology PVT . LTD
- Master solutions Pvt. Ltd
- Tata Consulting Engineers
- Dentaweb Services
- Cygnet InfoTech Pvt Ltd.
- inforpercept Consulting Pvt Ltd.
- eClinicalWorks India Pvt Ltd
- Kirti telnet Pvt Ltd
- Physical Research Laboratory
- Yudiz Solutions Pvt. Ltd.
- Agile Infoways Pvt. Ltd.
- Greencloud Isoft Pvt. Ltd.
- Maven Insoft Pvt. Ltd.
- BSP Technologies
- Wizzotech
- Webmob Technologies
- Unmathced Solutions Pvt. Ltd.
- Xeme IT Solutions
- Space O Infoweb Pvt. Ltd.
- Infinium Solutions
- Radix Web Technology
- Data First
- Elision Technology
- Silver Touch Technologies Limited
- Alok Computers
- Sophos Tech Pvt Ltd
- Electromech Corporation
- Bio Max Pvt Ltd.
- Aforeserve Pvt Ltd.
- Shalby Limited
- AKS Communication
- Beekay Infonet
- Echonovate IT Solutions PVT. LTD.
- Bigtale PVT. LTD.
- Lets Nurture Infotech Pvt Ltd
- Aaraark Studio
- Aark Insoft Pvt Ltd
- Brainvire Infotech Pvt Ltd
- Simform Software LLP
- Syndell Technologies Pvt Ltd
- Philocalist Studio
- Hyperlink Infosystem Pvt Ltd
- The One Technologies
- Solution Analysts Pvt Ltd
- Groovy Web LLP
- Weetech Solution Pvt Ltd
- Intelivita
- Kaizen Infocomm Pvt. Ltd.
- Macdroid Solution Pvt. Ltd.
- Novity Technologies
- Agilecube Technologies Pvt. Ltd.
- Hi Fi Design Institute
- Addon Solutions Pvt. Ltd.
- Maxgen Technologies Pvt. Ltd.
- I-Link Insoft
- Sophoes Technologies Pvt. Ltd.
- Yudiz Solutions Pvt. Ltd.
- Theta Technologies
- Bypeople Technologies
- Micro Vision



**MAIN CAMPUS**

 **ASIA Campus,**  
Drive in Rd, Thaltej,  
Ahmedabad-380054,  
Gujarat, India

**CITY CAMPUS**

**Vishwanath Northview,**  
University Road,  
Navrangpura,  
Ahmedabad-380009  
Gujarat, India.

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