JGi JAIN DEEMED-TO-BE UNIVERSITY | ONLINE

INNOMATICS RESEARCH LABS

PGP

IN DATA SCIENCE WITH ONLINE MBA

PGP with Online MBA Program
with specialization in Data Science +
Advanced IBM certification from
Innomatics Research Labs

INTRODUCTION

Data Science, Data Analytics and Business Analytics are the intriguing career paths that everyone are aspiring of, in the recent times as it is the future where, automation is going to take over most of the human work helping in getting the feasible, accurate solutions in a short period.

Learning Data Science course help in analyzing data, making predictions and decisions for better understanding of market trends, creating disruptive business models for the top most industries. Imagine you being able to do all these with a Business analytical, entrepreneurial ideology, with an efficient knowledge on marketing strategies, trends in a best economic way.

THE MARKET ANALYSIS
ON THE INTRIGUING DOMAIN IS

DATA SCIENCE

The degree first builds your foundations with a comprehensive general management curriculum and adds a depth knowledge into Data Science and Analytics techniques – allowing you to experience how these technologies can be anchored effectively to drive maximum business value.

MARKET ANALYSIS

- According to recent Dice report, the demand for Data Scientists in 2020 has increased by an average of 51% across Health care, Telecommunications, Media/Entertainment, Banking, Financial Services and Insurance Sectors etc.

- An estimation of 2.7 Million Job opportunities in Data Science and Analytics are globally declared.

- India is the second-highest country next to the US to have generated the demand to recruit about 75,000 Data Scientists for 2020 and 2021.

WHY PURSUE PGP WITH ONLINE MBA FROM JAIN ONLINE ?

Students and Professionals need flexible and comfortable learning space to upgrade their skills and to get industrial ready, that's what this Post graduation in Data Science with Online MBA offers

Learn from the top faculty with live & interactive online sessions

Gain the recognition of PGP with Online MBA from renowned university

Earn a PGP in Data Science with Online MBA degree with a specialization in Data Science

Gain practical and professional skills through project based learning reinforced by Innomatics

Become industry ready with exceptional mentoring sessions

Interaction with diverse batch of peers for a rich exposure

Build your skills with a curriculum designed by leading Industry experts

Get a dedicated career support from Innomatics Research Labs

ABOUT THE **PROGRAM**

POST-GRADUATION PROGRAM

This 11 month program offers extensive and in-depth knowledge on Python, Statistics, Machine Learning Algorithms, Deep Learning implementations with an integration of Data Analytics, Business Analytics. The core of this program will be on the case studies and projects that include all the above concepts and includes one to one mentoring sessions

ONLINE MBA

This two-year program offers foundation courses, core courses, Specialization courses and a comprehensive master thesis intermediary, apart from an option to pursue a cross-functional and open elective. The core and Specialization courses incorporate AICTE's model curriculum as prescribed for a full-time Masters in Data Science (MBA).

PROGRAM HIGHLIGHTS

- 2 year MBA – PG program
- Online learning with interactive mentoring
- Degree from JAIN (deemed-to-be) University
- IBM certified Data Science certificate from Innomatics Research Labs

WHO IS THIS PROGRAM FOR ?

- Under grads, Professionals and entrepreneurs who want to excel in Data Science, Data Analytics & Business Analytics.
- Professionals who want to upskill themselves and learn in-depth on relevant technologies like Python, NumPy, Pandas, Matplotlib, and Data Visualization tools like Power BI and Tableau, SQ, Machine Learning and Deep Learning
- Early and professionals who are passionate about the Data Analytics, Business Analytics with immense interest on Data Science.

PROGRAM OUTCOMES

- Become an expert in implementing Business Analytics, Data Analytics and Data Science.
- Solve business problems implementing the latest technologies in an innovative way.
- Create diverse applications by implementing Data Analytics, Business Analytics and Data Science methodologies that help for better understanding of Business problems.
- Become resourceful and develop one's individual and professional knowledge.

JAIN –ONLINE MBA (DATA SCIENCE) CURRICULUM

SEMESTER 1

- Principles of Economics & Markets
- Managerial Effectiveness & Ethics
- Accounting & Finance
- Organizational Behaviour & Human Resources Management
- Quantitative Techniques & Analytic

SEMESTER 2

- Entrepreneurship
- Marketing Management Research
- Python for Data Science
- Statistics for Decision Making
- Data Wrangling and Exploratory Data Analysis

SEMESTER 3

- Business Environment & Strategy
- Operations Management
- Data Visualization
- Business Analytics
- Data Analytics using Excel
- Open Elective-Effective Business Communication

SEMESTER 4

- SQL for Data Science
- Predictive Analytics using Machine Learning
- AI for Business
- Web & Social Media Analytics
- Analytical Problem Solving for Business
- Capstone Project

PGP - DATA SCIENCE CURRICULUM

Course – 1 (Python Programming) – 8 Weeks

- Introduction
- Data Types and Data Structures
- Control Flow and Conditional Statements
- Functions
- Object Oriented Programming (OOP)
- Class and Objects
- File Handling
- Exception Handling
- Web App Creation
- Cloud Deployment

Course - 2 (Introduction to Statistical Methods) - 4 Weeks

- Data Types and Data Structures
- Data Gathering Techniques
- Descriptive Statistics
- Probability Distribution
- Inferential Statistics

Course - 3 (Data Analytics) - 4 Weeks

- NumPy – Numerical Python
- Data Manipulation with Pandas
- Data Visualization
- Case study on Exploratory Data Analysis (EDA) and Visualization
- Web Scraping

Course - 4 (Business analytics using SQL and Tableau) - 4 Weeks

- Introduction to Databases
- Basics of SQL
- SQL Joins
- Filtering and Sorting
- SQL Aggregations
- Subqueries and Temp Tables
- SQL Data Cleaning
- Tableau for Data Science

Course - 5 (Machine Learning) - 8 Weeks

Supervised Learning

- Introduction
- Linear Algebra

Regression Techniques

- Linear Regression
- Multiple Linear Regression
- Evaluating the Metrics of Regression Techniques
- Polynomial Regression
- Regularization Techniques

Classification Techniques

- Logistic Regression
- Naive Bayes

Tree Based Modules

- Decision Tree
- Ensemble Methods in Tree Based Models
- Random Forest
- Boosting: AdaBoost, Gradient Boosting

Distance Based Modules

- K-Nearest Neighbors
- Support Vector Machines

Unsupervised Learning

- Introduction
- Principal Component Analysis
- K-Means Clustering
- Hierarchical Clustering
- Association Rules
- Apriori

Recommendation Systems

Course - 6 (Deep Learning + Computer Vision) - 6 Weeks

- Introduction to Neural Networks
- Tensorflow 2.0
- Artificial Neural Network with Tensorflow
- CNN and Computer Vision
- **UNIT 1** : Working with images & CNN Building Blocks
- **UNIT 2** : CNN Architectures and Transfer Learning
- **UNIT 3** : Object Detection
- **UNIT 4** : CNN's at Work - Semantic Segmentation
- **UNIT 5** : CNN's at work – Siamese Network for Metric Learning
- Generative Deep Learning Methods

Course - 7 (MLOps) - 2 Weeks

Capstone Projects on Healthcare, E-Commerce & Banking Domains

Internship

THE **ADVANTAGE** BEING **INNOMINION**

Recognized and rewarded by " **Times of India** " as the " **Best Training Institute in Hyderabad** " for the " **Data Science & Digital Marketing** " Training. With the relentless hard work, sophisticated equipment, advanced classrooms, cutting-edge training methodologies, practical training approach, and making individuals skillful. We have trained and placed

- 5000+ students
- 100+ batches,
- 100+ Hackathons,
- 50+ Industry Experts,
- 50+ meetups
- 500+ Industry connections

CAREER GUIDANCE

We provide Job assistance by recommending you to all the top industries that are looking for Data Analysts, Business Analysts and Data Scientists. You will be escorted with Mock interviews (Technical and HR), resume building sessions, training in interpersonal skills, presentation skills and communication skills with all the professional etiquettes that helps you be confident and professional.

Innomatics Research Labs is India's leading professional learning Edu-tech Company. By joining us you will be able to receive an access to the extensive pool of Industry experts and dedicated career assistance.

- World class renowned faculty
- Industry Focused 500+ hours of training
- 3 months Internship
- Comprehensive placement Assistance
- Dedicated Mentorship programs
- Life time LMS access
- Industrial Exposure with Webinars and Hackathons
- IBM Certified Data Science Certification

RECOGNITIONS

RECOGNITIONS

MEDIA-COVERAGE

A publication of TIMES OF INDIA

INNOMATICS: SETTING A NEW BENCHMARK IN EDU-TECH

Innomatics Research Labs is an edutech company synonymous to Data Science and Digital Marketing Training. Their unique use case based, practical approach, has helped thousands of working professionals, students and people looking to restart their career journey after a break due to personnel reasons.

Innomatics was rated by the Times Group as one of the most credible brands that working professionals and students entrusted for their career transformation and awarded "Best Data Science" and "Best Digital Marketing". Edutech Company by Times Group 2016-19. Innomatics has also featured in Times of India, Knowledge Review and several social media platforms, for outstanding contribution in Edutech.

The company was founded by two industry experts Kalpana Reddy and Vishwanath Nyathani who have over 15 years of IT experience.

Kalpana Reddy, CEO Innomatics says, "Our commitment to bring a positive change in people's lives made us adopt a methodology, where people can really learn and implement technologies. Instead of making people listen to classes, we have built 200+ use cases, for them to practically work on, become industry ready and land their dream job. Most people who join us for upskilling, have been referred by their friends, colleagues or relatives who have already benefitted through the program. Making quality education affordable, has also paved the way for Innomatics' success."

Going forward, Innomatics plans to extend into international markets. "Our approach and methodology has been well received by individuals and corporates. Many corporates approach us for their hiring needs. We plan to raise substantial funds to upscale and compete with global brands" she explains.

For more details: https://www.innomatics.in/

K Kalpana, CEO, Co-founder

Arun Santosh – Business Development Manager

Instead of discussing revenue and growth, Innomatics focuses on training people effectively, to make them industry ready."

Raghuram Aduri – Program Manager

Upskilling people and giving better career opportunities within 6-8 months, gives immense satisfaction."

Manohar – Lead, Digital Marketing

The commitment of the whole team to do justice to every stakeholder, sets Innomatics apart from other edutechs I have worked with."

Karuv Bansal – Senior Data Scientist

I'm proud to be part of Innomatics, as many people come and tell me that I am one of the reasons for their professional success."

Vishwanath Nyathani – Founder, Innomatics Research Labs

True satisfaction comes when you directly or indirectly help thousands of people get better jobs, which in turn elevates their status and standard of living. This direct, positive, societal impact, gives us the satisfaction we won't earn with millions of dollars in other businesses."

HYDERABAD EDITION
PUBLISHED ON 8JANUARY 2021

A publication of TIMES OF INDIA

INNOMATICS RESEARCH LABS: TRANSFORMING CAREERS IN TRENDING TECHNOLOGIES

Innomatics Research Labs is an artificial intelligence and analytics-based career transformation firm that provides world class learning experience in trending technologies, through 40+ Industry experts who are-continuous learners, also empowering others to do the same. The Hyderabad-based firm's practical and application-oriented approach in training professionals and graduates is designed to make them industry ready.

Innomatics Research Labs has an ambitious vision to make India a hub for artificial intelligence and analytics. Apart from becoming one of the most credible organization for career transformation, the firm also intends to specialize in other areas by housing experts in domains such as banking, insurance, retail, health care and manufacturing.

The training methodology used by the team at Innomatics to provide experience in trending technology courses is unique, as it focuses on application-oriented learning rather than theory. The team follows a practical-oriented approach which helps the trainee to learn and understand concepts much better. Many hours are invested to provide practical classes, coupled with full day assistance from the faculty.

To improve their effectiveness and productivity, the Institute encourages professionals to work on the Use cases and Proof of Concept (POC) methodology while delivering class room sessions. Innomatics offers a choice in modes of training for students/trainees, such as online training, classroom training, and corporate oriented training courses. This has enabled students to also opt for long distance learning.

Vishwanath Nyathani Innomatics Research Labs Founder & CEO

The trainers at the institute help students and professionals gain in-depth understanding of the entire architecture and life cycle of how data is processed, structured, stored and analyzed. The courses prepare students for careers that involve application and management of modern data science. They are trained to solve critical business challenges through facilitators. Its practical and application-oriented approach helps professionals and graduates to become industry ready.

Its not just an online or classroom sessions make people industry ready. It requires lot of effort from the trainees to learn, work and experience on how to apply the knowledge to solve the real world problems. To impart such thought process, they facilitate hackathons, workshops, meet-ups, conferences, capstone projects, interactions with best minds in the Industry. Of these, the capstone project gives students the opportunity to work on real-life data science problems with industry practitioners. When someone goes through all these, apart from knowing the technology, they also learn how it is used in the Industry. Reverse presentations is something is introduced by them where the trainees are required to present the use cases and projects done by them to their peer group as well the industry experts. This is really helping them to know how well they learned and able to showcase their knowledge infront of the wider audience. This is really helping them big time when they are facing the interviews and making them stand out from the competition.

Innomatics constantly interacts with clients and industry experts to remain updated with emerging technologies. The approach is helping the institute to know the market trends and upgrade/curate their curriculum as per the market needs. The firm isactively looking for candidates who are passionate about upskilling themselves.

The institute aspires to expand its branches across India and hire more quality trainers. In the years to come, Innomatics aims to become a hub for artificial intelligence and analytics in India. Given its growing stature and more students being enrolled to Innomatics to avail the courses, the Institute is planning to inaugurate its branches in Bangalore, Mumbai and Pune in the next one year.

Innomatics Research Labs offer specialization courses in the following technologies: Data Science, Machine Learning, Artificial Intelligence, Digital Marketing, Amazon Web Services, DevOps, Big Data Analytics and Investment Banking.

For more details, contact: Metro Opp: More Mega Store, #206 A, 2nd Floor, Fortune Signature, Above Pista House, beside JNTU, Kukatpally, Hyderabad-500085 Ph: 9951171868, 9951666670

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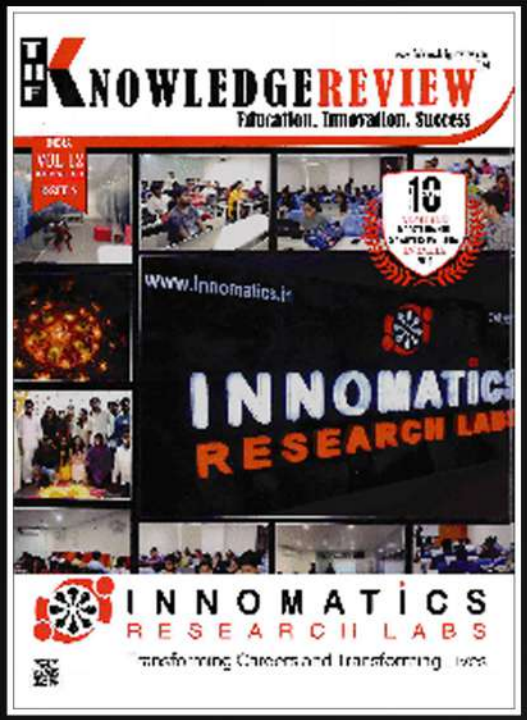

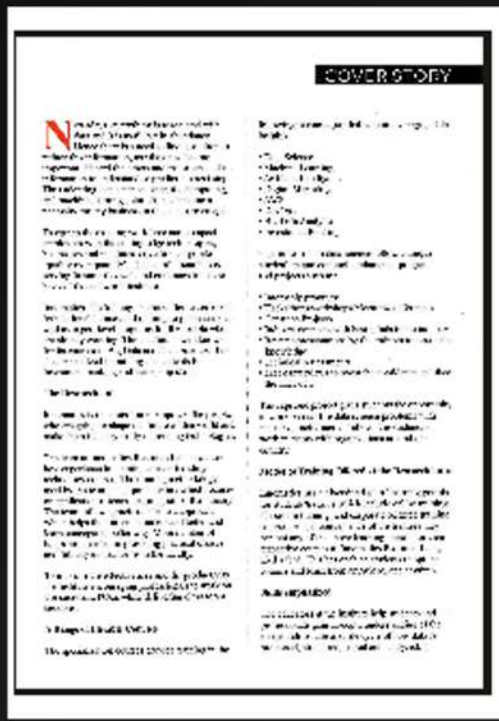

OUR ALUMNI WORKS AT

and more Companies

ADMISSIONS

ELIGIBILITY CRITERIA

- Candidates must have a Bachelor's degree (minimum of 3 years degree).
- At least 50% marks or equivalent CGPA from a recognized university.

FEE STRUCTURE

Semester-Wise Fee Plan

Sem I – ₹ 85,000
Sem II – ₹ 85,000
Sem III – ₹ 85,000
Sem IV – ₹ 85,000

Year-Wise Fee Plan

Year I - ₹ 1,70,000
Year II - ₹ 1,70,000

Total Course Fee Plan *

Total - ₹ 3,40,000
One-time Registration Fee: ₹ 2000
Examination Fees (Per year) : ₹ 3000

FINANCIAL AID

CREDIT FAIR
Fair Finance For Everyone

- zero cost **EMI**
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- **EMI** options available for **24 Months**

Ready to advance your career ?

Apply Now

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91 + 9951666670

Email Us
info@innomatics.in

Visit our website
www.innomatics.in

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