
JAI HIND COLLEGE
(AUTONOMOUS)



MSc in Big Data Analytics

IN COLLABORATION WITH



TATA
CONSULTANCY
SERVICES



THE DEPARTMENT OF
INFORMATION TECHNOLOGY

The Department **INFORMATION TECHNOLOGY**



The Master of Science in Big Data Analytics program is a two years full time post graduate program.



It's last semester has an internship based project.



The course is entirely designed by TCS Team along with Indian Statistical institute of Kolkata, it is recognized by University of Mumbai and comprises four semesters with a total of 96 credits.



The goal of this course is to contribute to the comprehensive development of students such that it enhances the skills of a student in the areas of Big Data Analytics, Data Mining, Machine Learning, etc. and makes sure that practical industry knowledge is channelized to classroom learning.



The knowledge gained through this course will help students acquire a plethora of opportunities to serve the industries in various capacities like Big Data Analyst, Big Data Manager, IT Systems Analyst, Operations Analyst, Data Engineer, Quantitative Analyst, Project Manager, Data Scientist, etc.



The program delivers meticulous training in computational techniques and provides proficiency in data analysis.



ELIGIBILITY CRITERIA



A learner for being eligible to apply for admission to the **M.Sc. degree Program** should be from the following UG Programs: - **B.Sc.IT./ B. Voc. SD /B. A. Eco. B.Sc. CS. / B.Sc. Mathematics / B.Sc. Statistics / BCA/ B.Tech./B.E./BAF/BMS/BBA/BFM/B BI/ BCom.**



A learner for being eligible must have **Mathematics as compulsory subject**



Students have to appear for an Entrance Examination for applying to the Course.

BRIDGE COURSE

- As the students are coming from different streams, we provide the Bridge Course to create a relevancy with the Big Data Analytics course.
- There shall be 'Bridge Courses' of approximately 15 hours per course at the beginning of the academic session for the relevant subjects

CAMPUS CUM CORPORATE

- The main feature of this program is that it has an industry driven curriculum.
- With a combination of core subjects, Students do internships to acquire industry- relevant training in semester IV.
- Apart from sem IV internship, to get industry knowledge students have also done additional internships during the course

OUTCOMES

Upon completion of the M.Sc. in Big Data Analytics program, students will be able to :

- Gain strong analytical skills on an advanced level, needed in academics, industry, and research.
- Develop communication, inter personal and other critical skills.
- Use creativity, critical thinking, analysis and research skills.
- Get industrial exposure within a specific field of Data Analytics, through Industrial internships.
- Apply for data analytics job opportunities in the domain of predictive analytics, descriptive statistics, etc.

CURRICULUM

BRIDGE COURSE

- Fundamentals of Mathematics
- Fundamentals of Statistics
- Introduction to Python and Scala
- Operating system and Basic of Unix Programming
- Data Analytics with Excel

SEMESTER I

- Statistical Methods
- Probability & Stochastic Process
- Linear Algebra & Linear Programming
- Database Management
- Computing for Data Science

SEMESTER II

- Enabling Technologies for Data Science-I
- Machine Learning – I
- Advanced Statistical Methods
- Foundations of Data Science
- Cloud Computing
- Value Thinking

SEMESTER III

- Enabling Technologies for Data Science II
- Machine Learning II
- Exploratory Data Analysis (Tableau)
- Introduction to Econometrics and Finance
- Introduction to Bioinformatics

SEMESTER IV

- Internship based project.

TESTIMONIAL FROM STUDENTS

Big Data Analytics is a comprehensive and interesting course which improved my skills significantly. The programme is cohesive and well balanced between understanding the theory and working on technical tasks. The faculties have a good understanding and experience in the subject and are very patient with the learner's skills and will help you in gaining industry-level data analytics knowledge. As this program is with collaboration with TCS it also helps you in developing skills as per industry standard. As a student of Physics with no relevant background of Maths, Stats and CS it was bit hard at start, but with hard work you can navigate and excel. During my course in JHC, my data science background has enriched me with relevant skills by many helpful hands-on course projects and in-depth research opportunities with professors in different fields. I also had an opportunity to publish my work. It is the best investment I've done for my career.

--SHRADHA MAMTORA



Post Graduating from a prestigious college like Jai Hind gives an opportunity to learn from the best minds. MSc Big Data Analytics at Jai Hind is well-designed course, very practical and fits perfectly with my background. The course curriculum is curated according to the industry requirement. Faculty members are well qualified and supportive. To sum it all up, it has helped me grow my personality as well as my technical skills.

-- NISHTHA MEHTA

I am writing to express my gratitude for the Big Data Analytics course I took during my final year at college. The course was an eye-opener for me and helped me to develop skills that have been instrumental in my career. During the course, I learned how to collect, analyze, and interpret large datasets using advanced statistical methods and data visualization techniques. I also learned how to use different programming languages, such as Python and R, to manipulate and analyze data. The course had a significant impact on my academic and professional goals. After completing the course, I was able to secure an internship at a data analytics firm, where I was able to put my skills to use. I am grateful for the opportunity to take this course and for the excellent teaching provided by the instructors. The course has had a profound impact on my life, and I would highly recommend it to anyone interested in a career in data analytics.

--NIKHIL GHASE



Pursuing the Big Data Analytics course at Jai Hind College was an incredibly enriching and positive experience that sparked a deeper interest in the field. Throughout the program, I was exposed to a diverse range of subjects that provided a comprehensive understanding of the subject matter. One of the highlights of the course was the knowledgeable and supportive faculty. Their expertise and guidance allowed me to explore new areas and expand my knowledge in the field. They were always willing to go the extra mile to ensure that I had a thorough understanding of the subject matter and was able to apply it in practical settings. Overall, I am extremely grateful for the opportunity to have studied at Jai Hind College and for the invaluable knowledge and skills that I gained from the program. It has undoubtedly helped me to achieve my professional goals and pursue a successful career in big data analytics.

-- KAJAL RAY

INTERNSHIPS 2022 - 2023



Shradha

Morgan Stanley
60k/month



Oomang

Nomura Services
35k/month



Tanishka

AAYS Analytics
25k/month



Shreyas K

Pluckk
20k/month



Kajal Ray

Pluckk
20k/month



Pratiksha

Quantipi Analytics
Solution
20k/month



Preksha J

XIRCLS



Sakshi

Mactores
Cognition Pvt.
Ltd



Vedang

ICICI Home
Finance



Nikhil

Go Digital



Sanket

Abhyaz



Ayush P

Apex Hatchers



Suhas

Mactores
Cognition Pvt.
Ltd



Rushikesh

Abhyaz



Ankita

Go Digital



Gaurang

Apex Hatchers



Khushbu

Apex Hatchers



Ishaan T

Apex Hatchers



Kunj Bhatt

Neon Digital



Nishtha

Open Secret



Yash Naik

LUMIQ



Maithili

ICICI HFC



Vidula P

Sharekhan



Arbaaz

E-Tailize(SMI)



Navneet

Lenskart
Solutions



Nimisha

Amore Gourmet
Gelato



Aniket

Amore Gourmet
Gelato



Vinit S

Project Pro

INTERNSHIPS & PRE-PLACEMENTS OFFERS

- ✓ As the course is industry driven, our students have gained hands on domain experience through their internships
- ✓ The following poster shows the renowned companies where students have done their SEM IV internships

 **quantiphi**

 Morgan Stanley

 XIRCLS®



LUMIQ







 **TCS** TATA
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 **APEX
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by BNP PARIBAS

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 **Abhyaz**
from MTAB Technology Center

 **Aays**



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CONTACT US



To know more about the course in detail, kindly click on the link below:

[Click Here](#)



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