Executive Program in
Data Science &
Business Analytics

11 Months | Online Instructor led

Exclusive Program for Working Professionals

Why Choose this Data Science and Business Analytics Program?

IIT Brand
Get certified from Top Tier-1 Institution

Top 10
Ranked among India's Best in NIRF Rankings

Campus Immersion
Attend 2 day campus immersion @ IIT Guwahati

Amex Novartis
Learn from Data Science leaders from top companies like Amex, Novartis, Jio

Who should Enroll in this Program?

Unlock potential from Data with the Executive Program in Data Science & Business Analytics Program. Ideal for emerging leaders and ambitious professionals. Gain a profound understanding of Data Science & Analytics. Accelerate your career in Data Driven Decision Making.

Software Professionals

Consultants

Tech Leads

Data Analysts

Project Managers

Marketing & Sales Professionals

Business Analysts

Engineers

Mid-Career Professionals

A Learning Experience Unlike Any Other

	E&ICT IIT G	Others
India's Top 10 Institute	✓	✗
Campus Immersion	✓	✗
Top Faculty from Jio, Novartis, Amex etc	✓	✗
Industry Based Projects	✓	✗
Live Online Lectures	✓	✗
Scholarship	✓	✗
International Data Science Summits	✓	✗

Why choose IIT Guwahati Data Science & Business Analytics Program?

Prestigious Institution

The brand value associated with an IIT certification can provide a significant boost to your professional credentials and open doors to new career opportunities.

Comprehensive Curriculum

The program is designed to provide a comprehensive understanding of data science and its applications in business analytics. .

Climb the Growth Ladder

The program incorporates industry-relevant case studies and real-world projects, allowing participants to apply their knowledge to practical scenarios.
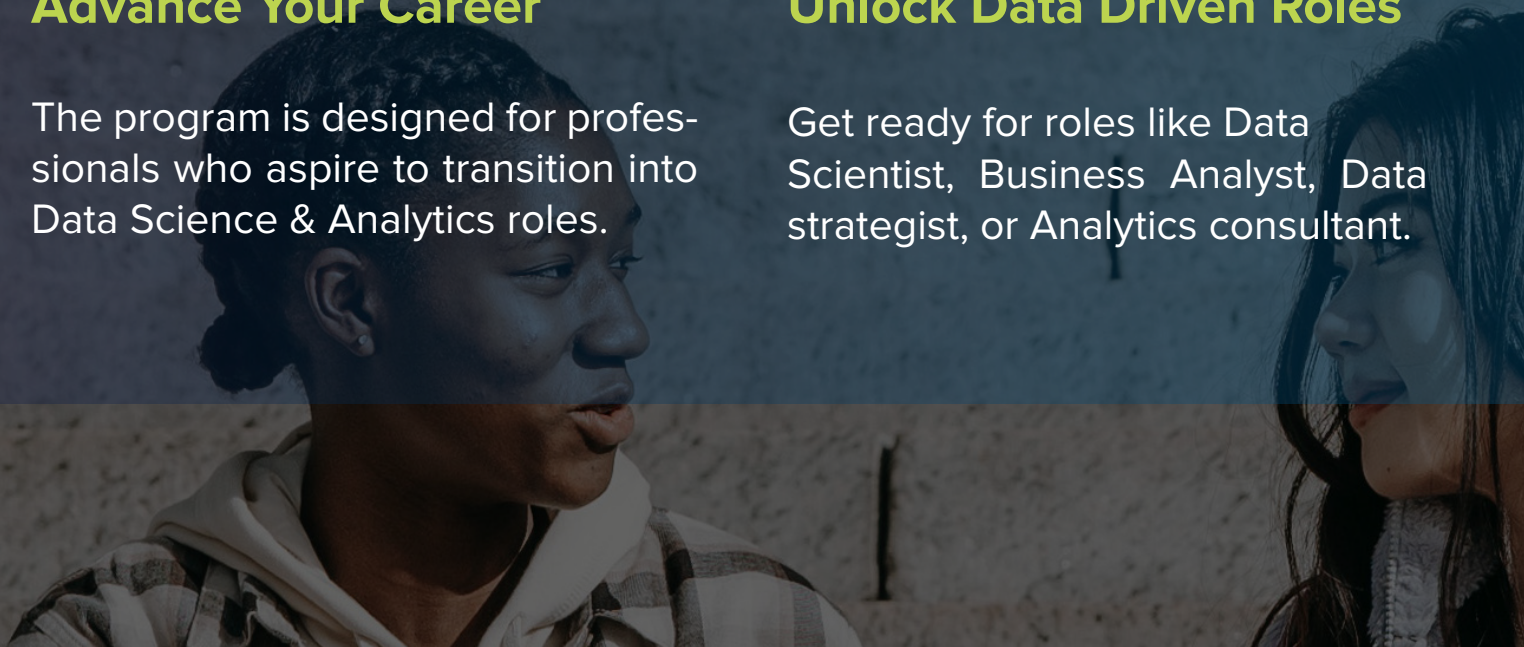
Gain Competitive Edge

This Program will provide you with a competitive edge in the job market increasing your opportunities

Advance Your Career

The program is designed for professionals who aspire to transition into Data Science & Analytics roles.

Unlock Data Driven Roles

Get ready for roles like Data Scientist, Business Analyst, Data strategist, or Analytics consultant.

Program Highlights

Certification
Give your resume the IIT edge

11 Months
Weekend Classes

Top Faculty
Learn from top DS from Google, Amazon etc.

160+ Hours
Intensive training

100% Live
Instructor Led Training

Placements
100% career assistance

Master Data Science & BI Tools...

python

NumPy

pandas

seaborn

matplotlib

plotly

scikit learn

SQL

Power BI

colab

X

Program Syllabus

Term 1: Data Analysis with Python

Data Science Fundamentals

Data Operations with Numpy

Data Manipulation with Pandas

Term 2: Data Visualization Techniques

Introduction to Data Visualization

Data Visualization using Matplotlib

Hands-on Pandas for Rapid Visualization

Seaborn for Data Visualization

Term 3: EDA & Data Storytelling

Introduction to Exploratory Data Analysis

EDA Framework Deep Dive

Scientific Exploration of Industry Data (Case Study)

Student Presentations & Insight Delivery

Minor Capstone Project

In a simulated environment, you get to work with a major Telecom company that seeks help from your team of Data Scientists to resolve a major marketing hurdle. Get a near real world exposure of working on industry problems within data science teams.

Program Syllabus Cont.

Term 4: Machine Learning Foundation

Introduction to Machine Learning

Linear Regression

Logistic Regression

Model Evaluation Techniques

Term 5: Machine Learning Intermediate

Decision Trees

Random Forests

Dimentionality Reduction using PCA

Naive Bayes Classifier

Term 6: Machine Learning Advanced

KNN (K- Nearest neighbors)

K-means Clustering

Ensemble Learning

Optimization

Major Capstone Project

Experience a real world simulation of a company problem that needs to be solved using Data Science and Machine Learning. Work with a team of Data Scientists who are working towards solving issues for a company in trouble.

Program Syllabus Cont.

Term 7: Foundation of Business Analytics

Introduction to Business Analytics

Data Analytics Fundamentals for Business Analysts

Statistics Basics for Business

Advanced Business Statistics

Term 8: Excel Mastery for Business Insights

Excel fundamentals for Business Analysis

Excel Functions & Conditions

Excel Pivot Tables & Reporting

Excel Modelling

Term 9: SQL Essentials for Business Intelligence

Database Basics for Analysts

SQL Fundamentals for Business Analysis

SQL Operations

Advanced SQL

Term 10: Business Analytics with Power BI

Power BI for Business reporting

Connecting Data Sources

Data Modelling in Power BI

Functions in Power BI

Program Syllabus Cont.

Term 11: Applied Industry Analytics: Case Studies

Domain Expertise as a Business Analytics Expert

Marketing and Retail Analytics

Web and Social Media Analytics

Supply Chain and Logistics Analytics

Capstone Project

Experience a real world simulation of a company problem that needs to be solved using Business Analytics. Work with a team of Business Analysts who are working towards solving issues for a company in trouble.

Real World Business Use Cases

World Class Learning Experience

Experience a dynamic and engaging environment that inspires and challenges you to think critically. Become a worldclass Data Science Professional through hands-on learning, collaboration, and interaction with experts in the field.

Live Classes

Online Interactive

Top Faculty

Industry Experts

Lifetime

Access to Study Material

Campus

Immersion

Capstone

Projects

Leadership

Talks with Experts

Career Support with 8 Powerful Sessions

Upon enrolling in the program, you will have access to Accredian Career Support module. This module includes comprehensive career development sessions aimed at enhancing your job profile and helping you excel in your interviews.

RESUME PREP

We'll help you build a sharp DS Resume.

1-ON-1 CAREER COUNSELLING

Get a dedicated career coach for you!

SIMULATED MOCK INTERVIEWS

Participate in mock interviews and be prepared.

DS INTERVIEW RESOURCES

Get access to 2023 Data Science interview resources.

The Career Services provided by Accredian are intended to empower you to actively manage your career and are not a promise of employment.

Key Statistics

11 months Comprehensive Learning	**160+** Hours of Live Classes	**11** Terms

10+ Tools & Frameworks	**8** Career Assistance Sessions

Get Certified from India's Premier Institution

accredian
credentials that matter

Electronics & ICT Academy
Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India

Indian Institute of Technology, Guwahati

Certificate Of Completion

This is to certify that

Name

has successfully completed the Executive Program in

Data Science & Business Analytics

organized by **Electronics & ICT Academy Indian Institute of Technology, Guwahati**
in association with **INSAID** held from _____ to _____

CERTIFICATE ID: 46121634HHFG

Dr. Gaurav Trivedi
Principal Investigator
Electronics & ICT Academy
IIT, Guwahati

Manvender Singh
Director, INSAID

This is an online certification programme conducted jointly by E&ICT Academy IIT Guwahati and INSAID towards upskilling.

Learn from India's Top Data Science Industry Experts

Principal Investigator

E & ICT Academy
IIT Guwahati

Sr. Faculty

accredian

Sr. Faculty

accredian

Sr. Faculty

accredian

**Data Science
Consultant**

Walmart

Lead Data Scientist

Jio

**Data & Analytics
Engagement Manager**

Shell

**Associate Director -
Data Science**

NOVARTIS

Indian
Institute
of
Technology
Guwahati

Admission Process

1   Apply at iitg.accredian.com

2   Pay the application fee

3   Selected Candidates will receive Admission Confirmation Letter.

Application Deadlines

Program Fee: INR 1,80,000 + GST

Round	Scholarship	Applicable Fee
1	**INR 60,000**	INR 1.2 L + GST
2	**INR 40,000**	INR 1.4 L + GST
3	**INR 20,000**	INR 1.6 L + GST

Program Snapshot

START DATE   Check website for latest batch start dates

DURATION   11 Months

PROGRAM TERMS   11

ELIGIBILITY CRITERIA   Total Years of Experience: **1+ Years**

Education: **Graduate**

WEEKLY SCHEDULE   Online classes on weekends
Self practice/assignments on weekdays

PROGRAM FEE   ₹ 1,80,000 + GST
EMI options available

Talk to your Learning Advisor

📞 +91 96258 11095

in association with

accredian
credentials that matter

IIT Guwahati

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