



ELECTRONICS & ICT ACADEMY
INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI

POST GRADUATE CERTIFICATION IN

Data Science

9 Months | Online | 450+ Hours of intensive learning

www.edureka.co

edureka!



E & ICT Academy, IIT GUWAHATI

MeitY has sponsored a scheme entitled "Scheme of Financial Assistance for setting up of Electronics and ICT Academies". Electronics and ICT Academy would aim to provide specialized training to the faculties of Engineering, Arts, Commerce & Science colleges, Polytechnics etc, by developing state-of-the-art facilities

edureka!

Edureka is an online education platform focused on delivering high-quality learning to technology professionals. We have the highest course completion rate in the industry and we strive to create an online ecosystem for our global learners to equip themselves with industry-relevant skills in today's cutting edge technologies. We house a team of dedicated instructors with vast industry experience backed by a support team that works round the clock, ready to help our learners maximize their experience.

Why Enroll in **This Program?**

NETFLIX

facebook

amazon

IBM

Google

Uber

are just a few of the top global companies who are looking for professionals who are great at technology, maths & business, in other words, Data Scientists. And with the help of Data Science, these companies are reshaping the future.

Don't you want to be a part of **this zeitgeist?**

IIT Guwahati's faculty, Edureka experts, industry veterans, learners from around the world and a large pool of SMEs have collaborated to create this online PG Program in Data Science. This PGP is a rigorous 9-month program with over 450 hours of intensive learning designed to make you not just industry-ready, but also help you excel in the realm of Data Science.



PROGRAM FEATURES



9-Month Online
Post-Graduate Certification



Certificate on
Completion



450+ Hrs of
Learning



Mentoring from E&ICT
IITG



24x7 Expert
Support



100% Placement
Assistance

DATA SCIENCE USING PYTHON

What is Data Science?
Data Collection and Cleaning
Python Basics
Python Programming Concepts
Web Scraping
Scientific Computing using Arrays
Data Manipulation and Analysis
Visualizing Data

STATISTICAL FOUNDATIONS

Getting to Know Your Data
Exploratory Data Analysis
Probability & its Applications
Probability Distributions & Stochastic Modelling
Introduction to Markov Chains
Statistical Inference

MACHINE LEARNING AND NLP

Introduction to Machine Learning using Python
Regression & Classification
Regression & Classification Trees
Naive Bayes Classifiers & KNN
Natural Language Processing

ADVANCED MACHINE LEARNING

Dimensionality Reduction
Clustering
Prediction & Errors
Model Evaluation & Improvement
Association Rules, Time-Series Analysis
Model Optimization

MID-PROGRAM PROJECT

Recommender Systems

RECOMMENDER SYSTEMS

Understanding Neural Networks with TensorFlow
Deep Learning using Keras
Principles of Artificial Intelligence
AI with Search Techniques

DATA MINING & WAREHOUSING

SQL Essentials
Data Warehousing
Data Mining
Data Integration & ETL
Mining Frequent Patterns

BIG DATA STORAGE AND ANALYTICS

NoSQL(MongoDB)
Introduction to Big Data & Big Data Mining
Big Data with Hadoop
Apache HBase & Hive
Data Ingestion
Apache Spark
Big Data Analytics
In-Class Project

DATA VISUALIZATION

Introduction to Data Visualization
Working with Data & Visualizations in Tableau
Advanced Visualizations
Sharing Your Insights

CAPSTONE PROJECT



Industry Projects:

An industry-level project will be a part of your Post-Graduate Certification to consolidate your learning. This industrial project will ensure that you have accumulated the real-world experience to start your career as a globally recognized Data Scientist.



Certificate

Upon successful completion of the course, you will:-

Get certified by Electronics & ICT Academy Guwahati.



Program & Batch Details

Duration: 9 Months

Program Fee: Rs. 3,25,000/-

(EMI Starts at Rs. 29,302 per month)



Selection Process

Candidates will have to complete a thorough online application process and attend telephonic interviews to be eligible for this program.



Eligibility

A candidate must have completed his/her graduation.

1. Degrees like BCA, MCA, and B.Tech or programming experience
2. Should have studied PCM in 10+2



SCHOLARSHIP

For exceptional and deserving candidates,
we are offering scholarship up to **Rs 1 Lakh**

Please fill the form here:

<https://www.edureka.co/post-graduate/data-science-program/>

For further details, please reach out to:

Phone no: +91-9606058419

email: admissions.pgp@edureka.co



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