eduJournal

Executive Program in
Data Analytics & Data Science

Marketplace for Lifelong Learning

About Us

Edujournal is the visionary educational platform founded in 2020 by two passionate co-founders with a goal to make education easier and borderless for everyone, Edujournal aims to provide accessible, high quality learning resource to students and the working professional those who wants to enhance their skills all over the world.

The platform is designed to bridge the gap between learners and educators by providing top notch training in the field of Data Analytics and Data Science. The Team at Edujournal is dedicated to delivering innovative solutions that empower students to achieve their career goals and unlock their full potential.

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BrightSword

Why Choose
Edujournal Courses?

If you are looking for a comprehensive, high-quality data analytics and data science course, look no further than edujournal. Our platform offers everything that you need succeed in this exciting and rapidly growing field. So if you are looking for the top-quality data analytics and data science course, Enroll today and start your journey towards a rewarding and fulfilling career.

01 **Assignment Driven Course –** Unlike traditional lecture based courses, assignment driven courses prioritize hands-on-experience and application of concepts.

02 **One-on-One Doubt Clearing Session –** Learners have the opportunity to work directly with a mentor to receive personalized feedback & support for smooth and fast learning.

03 **Real-Time Industry Projects –** Gain the hands-on experience working with real data-sets, problem solving, experience and skills to deliver the solutions.

04 **Internship Opportunity –** It will give you a exposure to Real-World Experience for the Data-Driven Future.

05 **Job Assistance –** It includes resume reviews, interview preparation, job search strate-gies and networking opportunities.

06 **Mock Interviews –** It provide learner with the opportunity to identify and address potential weakness in their interviewing skills.

07 **Soft Skills Training –** Its helps learners improve their communications skills, increase their confidence and stand out from other job candidates.

08 **Project Portfolio Building –** It allows employer to see the skills, experience, accomplishments, projects, tools, techniques and technolo-gies known by the learner.

09 **Live Session –** Our Live Session with Instructors allows you to get the personalized support and gain valuable insights, daily for 1hr.

Transform your Skills, Transform your Future
Get Job Ready Today

Step 01 – Learn from Basic to Advance, Solve Assignments, Gain Hands on Experience and Unlock Your Potential.

Step 02 – Power Up Your Career. Work on Real Time Projects, Boost your confidence and enhance your resume.

Step 03 – Unlock Your Full Potential, Along with the Tech Skills and Real Time Projects, Program Equips you with the Vital Soft Skills Training to Success.

Step 04 – Take your skills to the next level, get internship opportunities to get real world experience.

Step 05 – Confidence is the key : Along with the internship, prepare for success with our interview preparation Resources.

Step 06 – This Program will provide the interview preparation & access to the Top Companies to Help you get your dream job.

Detailed
Course Syllabus

Core Python Programming

- Introduction to Python, Python Basics
- Strings, Decision Control Statements
- Repetition Statements & Console Input – Output
- List, Tuples, Sets and Dictionary
- Function and Recursion, Functional Programming and Lambda Function.

Advance Python Programming

- File Input-Output Modules
- Classes and Objects
- Exception Handling, Iterators and Generators
- Data Analysis with Pandas
- Numeric and Scientific computing using NumPy
- Matplotlib and Seaborn
- SciPy
- Exploratory Data Analysis
- Real-Time Industry Project 01, 02

SQL (Structured Query Language) for Data Science

- Introduction to SQL
- Database Creation and Manipulation
- Database Selection
- Quering Multiple Tables
- Data Exploration
- Index, Views and transaction
- Quering with Conditions
- Stored Procedures
- Integrating SQL with Excel
- Integrating SQL with Python
- Real-Time Industry Project 03, 04

Business Intelligence (BI) and Visualization using Tableau

- Introduction to Tableau
- Shelves, Cards and Analytics Pane
- Datatypes, Sorting and Grouping
- Filtering and table Calculation
- Complete Dashboard Building and Best Practices
- Distributing and Publishing
- Joins and Blending
- Relationships (2020.2 and Later Version)
- Data Preparation, Parameters and Set Actions
- Advance Calculations and Analytics
- Nested LODs and Analytics Functions
- Dynamic Design, Extensions and Tooltip Visualization
- Real-Time Industry Project 05, 06

Data Analysis and Visualization using MS Excel

- Course Introduction and Fundamentals
- Basic Excel Functions and Modifications of Worksheets
- Data Formatting, Working with Shapes and Images, Creating Your First Chart
- Excel Templates, Excel Options and Printing your Excel Worksheets, Introduction to Tables
- Conditional Function and Other Functions
- Pivot Table and LookUp Functions
- New Functions, Data Tab and Introduction to Power Query
- Advance Pivot Table Functions and Power Pivot Tools
- Large Datasets, File Protection, Named Ranges and More in Data Tab
- Lists Functions and Excel Automation using Macros
- VBA Basics
- Email Automation and Industry Application
- Real-Time Industry Project 07, 08

Introduction to Machine Learning Algorithms

- Introduction to Machine Learning
- Set Theory
- Probability
- Statistics
- Probability Distribution
- Continuous Probability Distribution
- Sampling and Estimation
- Hypothesis Testing
- Non-Parametric Test
- Real-Time Industry Project 09

Introduction to Machine Learning Algorithms & their Implementations by using Python Programming

- Introduction to Data Science and Programming Languages (Tools) for Data Science
- Basics of Programming
- Essential Python Libraries
- Introduction to Machine Learning Cross-Validation , Bias Variance Trade-Off
- Evaluation Matrics
- Importing data and hands on imported data
- Univariate and Multivariate Linear Regression
- Principal Component Analysis
- Logistics Regression and k-nearest Neighbor
- Decision Tree and Random Forest
- K-Mean and Hierarchical Clustering
- Neural Networks
- Real-Time Industry Project 10

Machine Learning Fundamentals

- Basics of Probability and Statistics
- Basics of Machine Learning and Artificial Intelligence
- Supervised Learning – Prediction
- Supervised Learning – Classification
- Random Forest and Model Evaluation
- Supervised Learning – Classification (SVM)
- Unsupervised Learning – K-Means
- Unsupervised Learning – Hierarchical
- Unsupervised Learning – PCA
- Real-Time Industry Project 11

Advance Deep Learning using Python

- Artificial Neural Network
- Activation Functions in Neural Networks
- Deep Learning
- Evaluation of Models
- Optimizers
- Convolutional Neural Networks (CNN) – Part 01
- Convolutional Neural Networks (CNN) – Part 02
- Recurrent Neural Network (RNN) – Part 01
- Recurrent Neural Network (RNN) – Part 02
- Basics of Neural Language Processing (NLP)
- End to End ML Projects

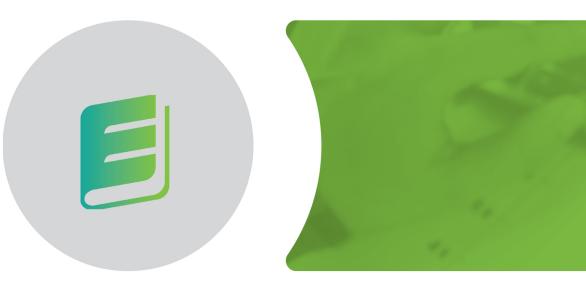# Effective Dashboards using Power BI

- Introduction to Power BI
- Transform Data (Query Editor) – Part 01
- Transform Data (Query Editor) – Part 02
- Relational Data Model – Part 01
- Relational Data Model – Part 02
- Basics of DAX – Part 01
- Basics of DAX – Part 02
- Advance DAX Functions
- Creating Interactive Reports – Part 01
- Creating Interactive Reports – Part 02
- Creating Interactive Reports – Part 03
- Real-Time Industry Project 12
- Real-Time Industry Project 13

Statistics and Probability for Data Science

- Introduction to Machine Learning
- Set Theory
- Probability
- Statistics
- Probability Distribution
- Continuous Probability Distribution
- Inferential Statistics
- Hypothesis Testing
- Non Parametric Tests

Follow our Roadmap to drive your career as a:

Flexibility is the key – Complete the course at your own pace! If you are a quick learner, you can finish early by spending more time on recorded session, assignments and projects. On the other hand , if you take your time, that's okay too – you will have the lifetime access to the program dashboard (content). No matter your speed, we will be with you every step of the way.

01 Data Analyst

1. Python (Week 1 – 4)

2. SQL (Week 5 – 8)

3. MS EXCEL (Week 9 – 11)

4. R Programming (Week 12 – 14)

5. Maths & Stats (Week 15-16)

6. Power BI (Week 17 – 20)

7. Tableau (Week 21 – 24)

02 Data Scientist

1. Python (Week 1 – 4)

2. SQL (Week 5 – 8)

3. MS EXCEL (Week 9 – 11)

4. R Programming (Week 12 – 14)

5. Maths & Stats (Week 15-16)

6. Machine Learning (Week 17 – 21)

7. Deep Learning (Week 22 – 26)

8. AI (Week 27 – 30)

9. Power BI (Week 31 – 33)

0. Tableau (Week 34 – 36)

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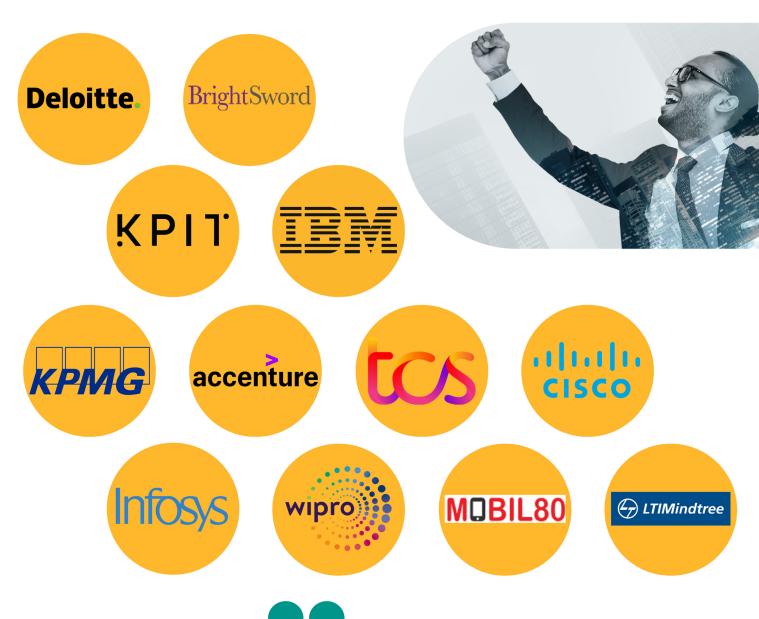
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CERTIFICATE
OF COMPLETION

PROUDLY PRESENTED TO

Name Surname

In recognition of his/her hard work and dedication in completing the
Executive Program in Data Analytics & Data Science
from [DATE] to [DATE] conducted by
Edujournal India Private Limited.

Awarded on: [DATE]

A Division of
Edujournal Pte Ltd
(Singapore)

CHOWLUR MADHU BABU
Program Director

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From Our Learners to Achievers, Marking Their Mark In Top-Tier Companies.

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tcs

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FAQ's

01 **How EduJournal is different from any other online skill development and learning platform?**

EduJournal offers a comprehensive and structured learning path with a focus on practical application and industry oriented projects. With Live Sessions, one on one doubt clearing and internship opportunities, EduJournal provides a personalized learning experience to its learners. Additionally, its 100% Job Assistance program ensures that learners are not just job-ready but also get placement in Top Tier Companies.

02 **I don't have a coding background or IT experience so how this will help me?**

EduJournal designed this program to cater to the needs of learners from diverse background. This program will help you learn the necessary technical skills from scratch. The program includes step by step guidance, assignments and projects to help you build a solid foundation in the field. Additionally program offers one on one doubt clearing session and soft skills training to help you build confidence and enhance your employability. Internship opportunities will give you the real- world exposure necessary to enter the field with confidence.

03 **Does this course cover everything?**

Yes, this course covers every skills that are currently required in the field of Data Analytics and Data Science, after completing the course you can easily crack the interview of Data Analyst, Business Analyst, Data Scientist, ML Engineer, Research Analyst, Operation Analyst, Risk Analyst, BI Developer, etc.

04 **Who will be my Mentor?**

Our Data Analytics and Data Science Program is designed and delivered by the industry experts who have over 15-20+ years of experience in the field. Our mentors are seasoned professional who have worked in some of the top companies across the globe and have a deep understanding of the latest tools. Techniques and trends in the industry.

05 **How the Data Analytics & Data Science Projects looks like ?**

Predictive Modeling, Data Visualization, Natural Language Processing, Fraud Detection, Recommender System and many more, this are the different types of Data Analytics and Data Science projects that will be undertaken.

06 **When I will be starting my internship?**

Upon completing our Data Analytics and Data Science Program, you will get the opportunity for three months internship. This internship will give you the hands on experience and will help you to understand how to utilize your knowledge in the real-world projects. You will have the option to choose between an online or offline internship, depending on your preference and availability. During internship you will work on real time projects collaborate with industry professional and learn about industry specific tools and technologies.

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*"Take Your Action Today,
Secure Your Tomorrow –
Register Now or Regret Later"*

Contact Us

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