

Power BI Data Analytics & Business Intelligence

Master Power BI from Power Query and data modelling to advanced DAX, security, performance and executive dashboards.



8 weeks

DURATION

72 hours

GUIDED LEARNING

2 projects

PORTFOLIO

ABOUT THE ACADEMY

Practical learning. Work you can demonstrate.

Brightnest AI Academy brings live instruction, guided practice and career preparation together for individuals and teams.

23

FOCUSED COURSES

6

FLAGSHIP PROGRAMMES

Noida

ACADEMY LOCATION

Our approach

1

Learn

Understand concepts through live instruction and current examples.

2

Build

Apply learning through labs, assignments and guided projects.

3

Explain

Document decisions, results, trade-offs and limitations.

4

Prepare

Connect completed work with CVs, interviews and workplace conversations.

PEOPLE BEHIND THE ACADEMY

Meet Ranjeet Kumar



ACADEMY ADVISER

Ranjeet Kumar

Innovation & Growth Leader

15+ years

Experience in data, artificial intelligence and machine learning leadership.

Areas of expertise

- Data science and machine learning solution leadership
- AI product strategy and scalable data platforms
- Technology team leadership and mentorship
- Practical AI and data adoption for business transformation

Education

Master of Information Systems, Anna University, Chennai
Bachelor of Computer Science Engineering

COURSE OVERVIEW

Build your next set of skills

Build semantic models, dashboards and decision-ready business intelligence solutions. Progress from Power BI Workflow and Data Connectivity to Power BI Capstone through guided labs, assessed projects, and portfolio evidence.

Who this is for

Data analysts, MIS/BI professionals and business users building governed Power BI solutions.

Before you begin

Learners should understand basic data analysis concepts. SQL or spreadsheet experience is helpful but not mandatory.

A Power BI portfolio should demonstrate sound data modelling, useful DAX measures, trustworthy KPIs, and dashboards that support real decisions-not visual decoration.



LEARNING OUTCOMES

What you will be able to do

01

Connect to files and databases and create a structured Power BI project.

02

Transform messy multi-source data into clean dimension and fact tables.

03

Redesign a flat dataset into a star schema and validate relationships.

04

Build a reusable DAX measure layer for revenue, margin, growth, retention and targets.

05

Create an executive dashboard with navigation, drill-down and decision-focused storytelling.

06

Diagnose a slow report and improve model/report performance with documented changes.

07

Build a complete sales, finance, operations or customer BI solution with a published semantic model and dashboard.



CURRICULUM

Course curriculum

8 modules · 8 weeks · 72 hours of guided learning

01 Power BI Workflow and Data Connectivity

5 hours

TOPICS

Power BI Desktop/Service · Connectors · Import versus DirectQuery concepts · Semantic model role · Report lifecycle · Workspace basics

PRACTICAL WORK

Connect to files and databases and create a structured Power BI project.

Tools: Power BI Desktop, Power BI Service

Assessment: Setup checkpoint

Portfolio evidence: Power BI project shell

02 Power Query and Data Preparation

10 hours

TOPICS

Power Query UI · M concepts · Data types · Merges/appends · Pivots/unpivots · Parameters · Query folding awareness · Data quality profiling

PRACTICAL WORK

Transform messy multi-source data into clean dimension and fact tables.

Tools: Power Query, Power BI

Assessment: Power Query lab

Portfolio evidence: Reusable transformation layer



CURRICULUM

Course curriculum

8 modules · 8 weeks · 72 hours of guided learning

03 Data Modelling and Star Schema

8 hours

TOPICS

Facts/dimensions · Grain · Relationships · Cardinality · Date tables · Role-playing dimensions · Surrogate keys · Model design tradeoffs

PRACTICAL WORK

Redesign a flat dataset into a star schema and validate relationships.

Tools: Power BI, DAX

Assessment: Model review

Portfolio evidence: Production-style semantic model

04 DAX Measures and Calculation Context

12 hours

TOPICS

Measures versus columns · Filter/row context · CALCULATE · Iterators · Variables · Time intelligence · Ranking · Percent-of-total · KPI patterns

PRACTICAL WORK

Build a reusable DAX measure layer for revenue, margin, growth, retention and targets.

Tools: DAX, Power BI

Assessment: DAX challenge

Portfolio evidence: DAX measure library



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Course curriculum

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05 Visual Analytics and Data Storytelling

8 hours

TOPICS

Chart selection · Report layout · Interactions · Drill-through · Tooltips · Bookmarks · Field parameters · Accessibility · Executive storytelling

PRACTICAL WORK

Create an executive dashboard with navigation, drill-down and decision-focused storytelling.

Tools: Power BI

Assessment: Dashboard critique

Portfolio evidence: Executive BI dashboard

06 Security, Governance and Self-Service BI

8 hours

TOPICS

Row-level security · Workspace roles · Semantic model access · Sensitivity · Refresh · Deployment lifecycle · Governance · Self-service standards

PRACTICAL WORK

Configure RLS and publish a governed report workspace for multiple audience roles.

Tools: Power BI Service

Assessment: Governance lab

Portfolio evidence: Secured BI workspace design



CURRICULUM

Course curriculum

8 modules · 8 weeks · 72 hours of guided learning

07 Performance and Advanced Analytics

7 hours

TOPICS

Model size · Cardinality · DAX optimization · Performance Analyzer · Aggregation awareness · Incremental refresh concepts · AI/analytics features where appropriate

PRACTICAL WORK

Diagnose a slow report and improve model/report performance with documented changes.

Tools: Power BI Desktop/Service

Assessment: Performance review

Portfolio evidence: Optimised report version

08 Power BI Capstone

14 hours

TOPICS

Requirements · Data prep · Star schema · DAX · Visual storytelling · Security · Deployment · Documentation · Executive walkthrough

PRACTICAL WORK

Build a complete sales, finance, operations or customer BI solution with a published semantic model and dashboard.

Tools: Power BI, Power Query, DAX

Assessment: Capstone demo and rubric

Portfolio evidence: Portfolio-ready Power BI solution

APPLIED PORTFOLIO

Projects you will build

Two portfolio projects supported by guided module work.

PORTFOLIO PROJECT 1

Executive Sales and Margin BI

Build a governed Power BI model with DAX, drill-through, RLS and an executive dashboard.

DELIVERABLES

PBIX · Data model diagram · DAX measures · Dashboard walkthrough

PORTFOLIO PROJECT 2

Operations Performance Command Center

Create KPI dashboards for service/operations with targets, exceptions and trends.

DELIVERABLES

Semantic model · Report pages · Security design · Performance review

LEARNING EXPERIENCE

Learn, practise and present

- Live instructor-led sessions that connect concepts to real workplace decisions.
- Guided labs and workshops in every module.
- Assignments, checkpoints and practical feedback.
- Portfolio documentation, demonstrations and capstone review.
- Access to recordings and LMS resources according to the published batch policy.
- Career preparation based on completed work and target roles.

Tools you will work with

Power BI Desktop · Power BI Service · Power Query · Power BI · DAX

CAREER PREPARATION

Build confidence for interviews

A structured process to connect your learning with your next career step.

01**Role clarity**

Identify roles that fit your background, interests and current skills.

02**Profile readiness**

Review your CV, LinkedIn, GitHub and project summaries.

03**Project proof**

Prepare to demonstrate completed work and explain your decisions.

04**Interview practice**

Practise technical questions, project walkthroughs and interviews.

05**Opportunity updates**

Receive relevant job openings and employer requirements, subject to availability and learner readiness.

Career support helps you prepare. Employment outcomes depend on experience, project quality, interview readiness and market conditions.

LEARNER JOURNEYS

Companies where our learners have been hired

Across the Brightnest AI Academy learner community



Learner employment history across the academy; not a placement guarantee for this course. Names and logos identify employers; they do not imply endorsement or a hiring partnership.

BEFORE YOU ENROL

Your questions, answered

Is the Power BI & Business Intelligence course suitable for beginners?

This is an intermediate-level course. Learners should understand basic data analysis concepts. SQL or spreadsheet experience is helpful but not mandatory.

What will I build during the course?

You will complete guided labs in every module and build two portfolio projects: Executive Sales and Margin BI and Operations Performance Command Center. Deliverables include working files or code, documentation, testing or evaluation evidence, and a final presentation.

Which tools and platforms are covered?

Key tools include Power BI Desktop, Power BI Service, Power Query, Power BI and DAX. Additional tools are introduced through the practical work described in each module.

How long does the course take?

The course includes approximately 72 guided learning hours across 8 modules, delivered over 8 weeks.

Which career paths can this course support?

The curriculum supports the development of skills relevant to roles such as Power BI Data Analyst, BI Analyst, and Business Intelligence Developer. Career outcomes depend on prior experience, project quality, interview readiness and market conditions; employment is not guaranteed.

Will I receive mentor and career support?

The course includes live instruction, lab support, assignment feedback, project reviews and career preparation covering portfolio development, CV writing, LinkedIn profile improvement, and interview guidance.

FEES & ADMISSIONS

Plan your next step

COURSE FEE

INR 35,000 + GST

EMI and easy instalments available

Duration	8 weeks
Level	Intermediate
Learning format	Live mentor-led learning
Batch starts	Expected Saturday / Sunday starts

Check the live Batches page for the next expected weekend. Confirm the exact date, class times and availability with admissions.

Book a free demo class >

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