Forsk Coding School

Powered Learning for Future Success

COURSE BROCHURE / JAIPUR

DATA Analytics

for decisions that move forward.

Learn to collect, clean, analyse and explain data using **Python, SQL, Excel and Power BI.**

CORE ANALYTICS TOOLKIT

PYTHON | SQL | EXCEL | POWER BI



DATA LAB

FROM DATA TO A CLEAR DECISION

Learn the workflow. Build portfolio proof.

01

LEARN

Python, SQL, Excel and Power BI

02

BUILD

Projects, dashboards and walkthroughs

03

PROGRESS

Full-time internship at Forsk Technologies

FULL-TIME INTERNSHIP PATHWAY WITH

Forsk Technologies

From AI to AGI – We Build What's Next

THE ANALYST'S WORKFLOW

Make data useful.
Explain what it means.

The course is built around a repeatable workflow: ask a useful question, prepare the data, analyse patterns and communicate a decision.

01
ASK
Define the business question

02
PREPARE
Clean, join and validate data

03
ANALYSE
Query, calculate and compare

04
REPORT
Visualise and explain results

WHAT MARKET-ALIGNED PRACTICE LOOKS LIKE

Prepare data
Types, missing values, duplicates and repeatable transformations.

Model data
Relationships, dimensions, measures and connected reporting tables.

Tell the story
KPIs, filters, trends and a clear conclusion for a stakeholder.

YOUR OUTPUT

A question answered with evidence.

Each practical task asks you to show the source, the preparation steps, the analysis and the takeaway - not only a chart.

QUESTION | METHOD | FINDING

YOUR LEARNING ROUTE

Four tools.
One connected workflow.

Start with practical foundations, then connect data preparation, analysis and dashboard storytelling in project work.

MODULE 01
PYTHON

LEARNING BLOCKS

- Data types
- Pandas tables
- Cleaning
- Exploration

MODULE 01

MODULE 02
SQL

LEARNING BLOCKS

- SELECT + filter
- JOIN tables
- Group + aggregate
- Window analysis

MODULE 02

MODULE 03
EXCEL

LEARNING BLOCKS

- Formulas
- Lookups
- Pivots
- Dashboards

MODULE 03

MODULE 04
POWER BI

LEARNING BLOCKS

- Power Query
- Data model
- DAX
- Reports

MODULE 04

HOW THE MODULES CONNECT

Clean data → Query data → Check data → Explain data

BEGINNER-FRIENDLY

The path begins with fundamentals, then builds towards practical analysis and project evidence.

MODULE 01 / PYTHON

Work with data in code.

Use Python to read tables, clean values, calculate summaries and explore patterns before you build a report.



PYTHON ANALYTICS TOOLKIT

Read
CSV and Excel files into tabular data.

Inspect
Data types, missing values and distributions.

Transform
Filter, derive columns, group and combine.

Visualise
Use charts to test patterns and communicate.

PRACTISE THE WORKFLOW

01 / DATA
Read a file
Choose columns, recognise dates and inspect the shape of a dataset.

02 / CLEAN
Make it usable
Handle blanks, standardise labels and check for duplicate records.

03 / ANALYSE
Ask and compare
Group, aggregate and compare time periods, categories or regions.

04 / EXPLAIN
Show the result
Select a clear chart and write the takeaway in plain language.

PRACTICE OUTPUT: a cleaned notebook, a chart and a written finding.

MODULE 02 / SQL

Query connected business data.

Build confidence in relational data: select what matters, join related tables, group results and verify the numbers you report.

reporting.sql

```
SELECT
  region,
  SUM(revenue) AS total_revenue
FROM sales
JOIN customers USING (customer_id)
GROUP BY region
ORDER BY total_ revenue DESC;
```

Region	Revenue	Orders
North	₹2.1L	322
West	₹1.8L	279
South	₹1.5L	216

01
SELECT WITH PURPOSE
Choose only the fields needed for a question. Filter dates, categories and regions before analysis.

02
JOIN RELATED TABLES
Connect sales, customers, products or operations data using keys and check for duplicate results.

03
GROUP AND COMPARE
Aggregate totals, count records, compare categories and test the logic behind a KPI.

04
GO FURTHER
Use subqueries, CTEs and window functions when an analysis needs ranking, running totals or a reference set.

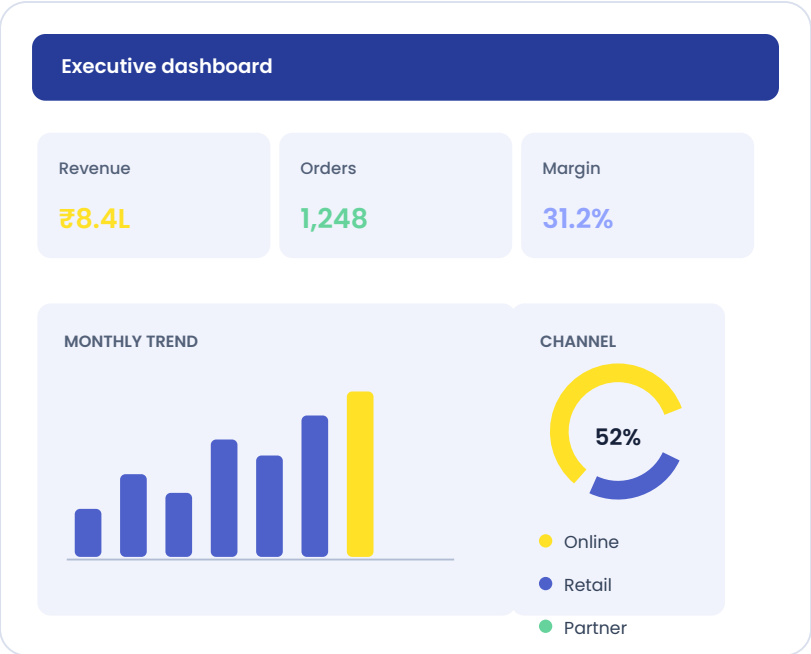
ANALYST HABIT

Validate row counts and totals before publishing a finding.

MODULE 03 / EXCEL

Turn a workbook into an answer.

Work efficiently with tables, formulas and PivotTables. Use Excel to inspect data, calculate measures and build concise operational reports.



EXCEL SKILL PATH

- **Clean tables**
  Formats, blanks, duplicates and date checks.
- **Calculate**
  IF, SUMIFS, COUNTIFS and logical formulas.
- **Look up**
  XLOOKUP or INDEX-MATCH across reference tables.
- **Summarise**
  PivotTables, PivotCharts and filters.
- **Report**
  A readable dashboard with clear KPIs.

EXAMPLE REPORTING QUESTION

Which branch needs attention this month?

Use lookups to enrich the data, a PivotTable to compare branches and a chart to make the trend easy to review.

Formula | Pivot | Chart

ADVANCED EXCEL PRACTICE

Build a reliable workbook: keep a raw-data sheet, separate calculations, apply quality checks and create a stakeholder-ready dashboard.

DATA | CHECK | REPORT

MODULE 04 / POWER BI

From source to dashboard.

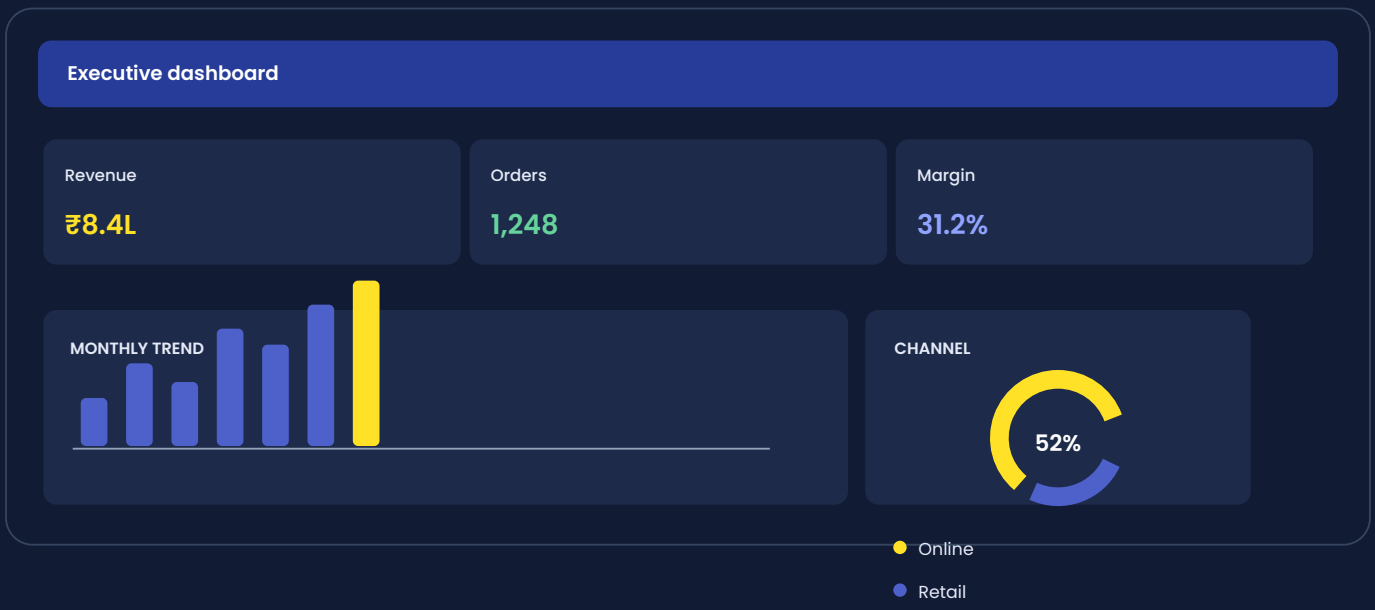
Prepare data with Power Query, model it for analysis, write measures with DAX and design reports that make sense to the people using them.

01
CONNECT
Excel, CSV or database data

02
PREPARE
Power Query steps

03
MODEL
Relationships and measures

04
REPORT
Visuals, filters and story



BUILD REPORTS PEOPLE CAN USE

DAX
Measures for totals, percentages and time comparisons.

FILTERS
Slicers and drill-through for focused questions.

STORY
A visual, a comparison and the takeaway.

TRUST THE NUMBERS

Check the data.
Then tell the story.

Strong analysis is more than creating a chart. You need clean inputs, sensible checks and a conclusion that answers a real question.

DATA QUALITY / BEFORE YOU ANALYSE

- **Define the metric**
  What is included, excluded and measured?
- **Check the grain**
  Is one row a sale, a customer or a daily summary?
- **Check quality**
  Find missing values, duplicates and unexpected categories.
- **Compare fairly**
  Keep dates, filters and definitions consistent.



REVIEW THE EVIDENCE

A CLEAR DATA STORY

1 **KPI**
Start with the number that matters.

2 **CONTEXT**
Show the comparison or trend.

3 **TAKEAWAY**
Explain what a reader should notice.

PRACTICAL STANDARD

For every project, document the data source, the preparation steps, the analysis and the conclusion you can defend.

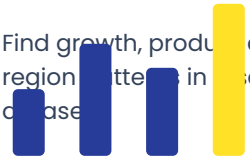
PROJECTS THAT SHOW

how you analyse.
Not just what you know.

Use realistic datasets to practise an end-to-end analytical workflow and create work you can explain in a review or interview.

01

SALES PERFORMANCE



Python / SQL

QUESTION / METHOD / FINDING

02

OPERATIONS REPORTING

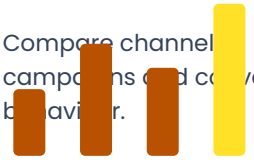


Excel / Power BI

QUESTION / METHOD / FINDING

03

MARKETING ANALYSIS



SQL / Power BI

QUESTION / METHOD / FINDING

THE PORTFOLIO FORMULA

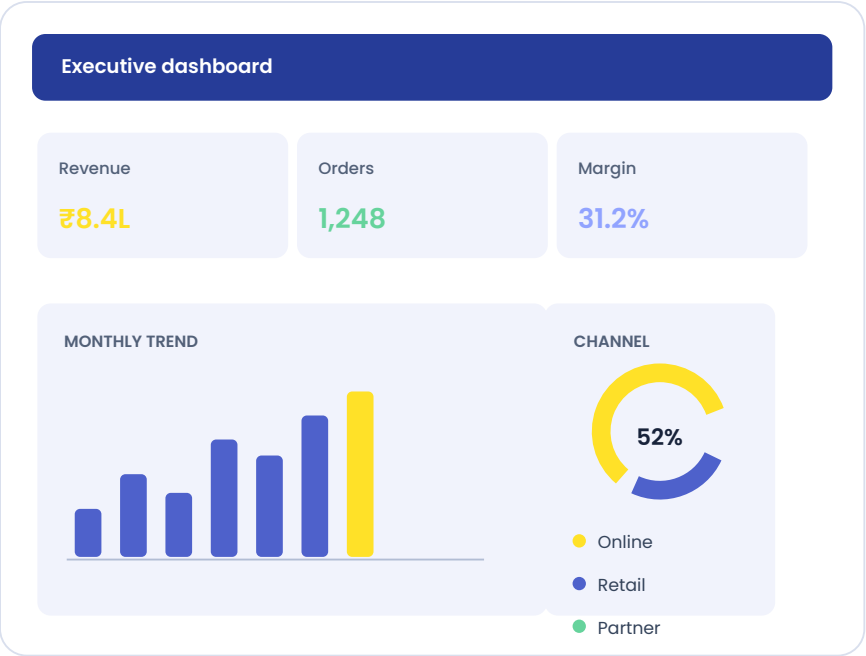
PROBLEM	DATA	METHOD	FINDING
What needs an answer?	What source did you use?	How did you prepare and analyse it?	What does the evidence show?

Your project is stronger when a reviewer can follow the trail from data to decision.

CAPSTONE PROJECT

Build the dashboard.
Defend the insight.

Bring the tools together in a final practical project: prepare the data, create the model, build measures and explain the dashboard clearly.



REVIEW CHECKLIST

- **Question**
  One clear business question.
- **Quality**
  Steps are visible and repeatable.
- **Model**
  Relationships and measures make sense.
- **Visuals**
  Each chart earns its place.
- **Explanation**
  Takeaway is concise and specific.

WHAT YOU PRESENT

01 Data source and preparation steps

02 SQL queries or Python notebook

03 Excel analysis or Power BI report

04 A short walkthrough of the findings

THE AIM A project you can walk through with confidence.

MAKE YOUR WORK

easy to review.
Easy to explain.

Good analytical work needs a clear explanation. Practise presenting the question, the data, your method and the conclusion with confidence.

EXPLAIN YOUR PROJECT

01 **Problem**
What was the business or operational question?

02 **Source**
Where did the data come from and what did it represent?

03 **Method**
How did you clean, query, calculate or model it?

04 **Insight**
What pattern or comparison mattered most?

05 **Next step**
What should happen because of the finding?

PRACTISE FOR THE CONVERSATION

- Walk through your dashboard.
- Explain an SQL JOIN you used.
- Describe a data-quality check.
- Compare two metrics fairly.
- State one limitation honestly.

DIRECTIONS TO WORK TOWARDS

Data Analyst Trainee
Prepare, explore and report on data.

Reporting / MIS Executive
Build repeatable operational reports.

Business Analyst Trainee
Connect questions, metrics and stakeholders.

BI / Dashboard Trainee
Create understandable visual reporting.

Roles, requirements and selection vary by employer and experience.

TRAIN. APPLY.

REVIEW. IMPROVE.

A practical progression.

Forsk Coding School provides the training foundation. After training, the pathway continues through a full-time internship at Forsk Technologies and interview-oriented preparation.

01 / TRAINING

Forsk Coding School
Powered Learning for Future Success

Structured learning, guided practice, practical projects and a portfolio you can explain.

02 / FULL-TIME INTERNSHIP

Forsk Technologies
From AI to AGI – We Build What's Next

Apply the training in a full-time internship environment and build practical confidence before company interview opportunities.

THE INTERVIEW PREPARATION LOOP

01	02	03	04
PREPARE	INTERVIEW	ASSESS	PREPARE AGAIN
Skills + projects	Remote or on site	Feedback + gaps	Next company

Interview outcomes depend on employer requirements and individual performance.

COURSE FEES

Four modules.
One complete path.

The complete Data Analytics course fee is ₹31,500 INR. Choose the full path to connect all four tools in one analytical workflow.

COURSE MODULE	FEE (INR)
Python — Data handling, analysis and visualisation	₹7,500
SQL — Relational querying and reporting	₹7,000
Excel + Advanced Excel — Workbook analysis and dashboards	₹7,000
Power BI — Data modelling, DAX and reporting	₹10,000

COMPLETE DATA ANALYTICS COURSE FEE

Python + SQL + Excel + Power BI

4 modules · 1 connected workflow

₹31,500

INCLUDED DIRECTION — Foundations assignments projects interview-oriented preparation

START WITH A QUESTION.

Build the method.
Show the insight.

Talk with the Forsk Coding School team about the current batch, admissions process and the Data Analytics learning path.

DATA ANALYTICS / JAIPUR

Call us

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forskcodingschool.com

Jaipur, Rajasthan

Enquire about the course structure, the next batch and the admission process.

COURSE DETAILS

SCAN TO ENQUIRE

or visit the course page online

WHAT YOU WILL BUILD

Python analysis
Clean and explore a tabular dataset.

SQL reporting
Query related data and validate totals.

Excel dashboard
Create a workbook for operational review.

Power BI report
Model data, write measures and explain insights.

Learn. Build. Explain.