
SYLLABUS FOR BOARD OF STUDIES ADOPTION — generated from the live catalogue record

Business Analytics with Power BI

X-C4 · 3 days (configurable 1–5 days) · Commerce · Data & Analytics · Years: 2nd, 3rd, PG

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OVERVIEW

Students turn raw business data into an interactive Power BI dashboard that answers real questions.

Data-driven decisions are now expected in every business function; a graduate who can build a Power BI dashboard is immediately useful to managers who need answers, not spreadsheets.

HOURS AND CREDIT POSITION

Contact hours: 24 Guided project: 6 Self-study: 0 Notional total: 30

Credit claim: 1

30 notional hours ÷ 30 hours per credit (NSQF track, UGC Micro-credentials Guidelines §5.3.3) = 1 credits.

COURSE OUTCOMES

CO1. Model business data with relationships in Power BI (K3)

CO2. Write DAX measures for business metrics (K3)

CO3. Build interactive visualisations and slicers (K3)

CO4. Design a dashboard that answers stated business questions (K3)

CO5. Interpret a dashboard to make a business recommendation (K4)

COURSE CONTENT — MODULES

Hours shown are the recommended format; module time scales proportionally when the engagement runs 1–5 days.

Module 1 — Business analytics foundations (4h recommended)

Theory: The analytics workflow, data sources

Lab: Frame business questions for data

Output: Question set

Module 2 — Data modelling in Power BI (4h recommended)

Theory: Loading, relationships, cleaning

Lab: Model a business dataset

Output: Data model

Module 3 — DAX basics (4h recommended)

Theory: Measures, calculated columns

Lab: Write DAX measures

Output: Measure set

Module 4 — Visualisation (4h recommended)

Theory: Charts, slicers, drill-through

Lab: Build interactive visuals

Output: Visual set

Module 5 — Dashboards (4h recommended)

Theory: Layout, interactivity, storytelling

Lab: Assemble a dashboard

Output: Draft dashboard

Module 6 — Capstone dashboard (4h recommended)

Theory: An interactive dashboard on business data

Lab: Ship a dashboard that answers questions

Output: Capstone dashboard

ASSESSMENT SCHEME (100 MARKS)

Continuous exercises — 40 marks

Analytical report — 40 marks

Viva voce — 20 marks

CO-PO MAPPING

CO1 !' PO3 (strength 2)

Data modelling is solution development.

CO2 !' PO5 (strength 2)

DAX is a modern analytics tool.

CO3 !' PO5 (strength 2)

Visualisation tooling is modern-tool usage.

CO4 !' PO3 (strength 2)

Dashboard design is solution design.

CO5 !' PO4 (strength 2)

Interpreting the dashboard is investigative judgement.

EVERY PARTICIPANT RECEIVES

- Certificate of completion
- Course material
- LMS access
- Interview question bank
- Mock interview & viva practice
- Optional nasscom NSQF assessment (priced per candidate on your quotation)

FEE

¹1,900 per student, incl. GST

Excludes the optional nasscom assessment where offered. Final pricing on your college's quotation.

DESIGNED BY

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