AI·BI·CI Accelerator by BRIGHTWAY

With BRIGHTWAY's Accelerator, you learn. build. compete.

A modular accelerator combining hands-on training in BI, Artificial Intelligence, DevOps, and Automation, culminating in a team competition to develop a smart, autonomous BI Agent.

A unique track that integrates BI fundamentals with Python automation and AI, exposing participants to innovative methods in data analysis, RAG-based AI agent development, and advanced practices in Data Science and Business Analytics.

What is the Accelerator Format?

The **BRIGHTWAY** Accelerator format is designed to provide participants with **intensive, integrated training – theory and practice – in a unique modular structure.**

The training is divided into **5 practical modules**, each building an additional layer of skills leading up to the main challenge.

At the end of the program, participants split into 3 teams. Each team develops an autonomous, AI-based BI Agent. The teams then compete in a unique final challenge, where the winning team builds the smartest agent – a system capable of real-time decision-making, advanced data analysis, and achieving its goals in complex business data management.

Accelerator Details

- **Duration:** ~160 academic hours
- **Start Date:** November 18, 2025
- **Format:** Two sessions per week
- **Location:** Hybrid (in-person and Zoom)
- **Practical Project in Industry:** Gain real-world experience to meet job market demands and boost your recruitment process or promotion at your current job.

Modules

Module 1: BI

- **SQL (incl. Stored Procedures, Functions, Triggers)** – fundamentals and writing complex queries
- **Python for Data Analysis** – Pandas, NumPy, DataFrames basics, data cleaning, DB connections
- **ETL / ELT Fundamentals** – understanding Extract, Transform, Load and implementing a basic pipeline
- **Power BI**
- **Advanced Excel** – Pivot, VLOOKUP/XLOOKUP, DB connections, basic dashboards
- **DAX** – basic usage for advanced calculations inside Power BI
- **Data Visualization Principles** – presenting data effectively, charts, KPI dashboards

Module 2: AI

- **LangChain for Agents** – Fundamentals: What is an Agent, Tool, PromptTemplate, Runnable, Memory; Zero/React templates; tool calls
- **Basic RAG on BI Assets** – indexing documentation/data dictionary/schemas; vector store; Retrieval-Augmented Generation for business answers
- **Agent Memory (Short/Long-term)** – managing agent memory: ConversationBuffer vs Vector-memory; when not to use memory for analytical queries

Module 3: CI

- **Git & Branching** – trunk-based workflow + PRs with reviews, all changes go through automated tests
- **Basic CI (GitHub Actions/GitLab CI)** – workflows, jobs, runners, cache, artifacts
- **Docker** – introduction, Docker Compose, preparing images for BI and AI infrastructures
- **Secrets & Security** – Secret Manager/Key Vault, git-secrets/TruffleHog scans, least privilege principles

Module 4: Soft Skills – Enrichment Workshops & Self-Work

Preparatory Course

Participants without prior Python knowledge must complete a preparatory course held in the weeks before the program.
 Cost of preparatory course: 500 NIS.

Who is it for?

- Students and graduates of technological degrees
- Engineers in industry who wish to update their skills or transition into today's hottest field

Admission Requirements

- Previous software development knowledge via one of the following:
- Degree in software development
- Technological certificate program in software
- At least 1 year of practical experience
- Preparatory course if needed
- Passing grade on the entrance exam

⚠️**Important:** ❗

After completing the entrance exam and achieving a passing score of 60 or higher, you will receive an official acceptance email from the college. This email will include program details, participation requirements, and payment instructions (including registration/processing fees and tuition).

Once payment is made, the enrollment will be considered a binding agreement, subject to the college's regulations and cancellation/refund policies.

- Cancellation up to 14 days before the program start date: tuition refund only (registration/processing fees are non-refundable).
- After this date: **no refunds of any kind** (including tuition).

📌 **Note:** Submitting this form does not guarantee acceptance. Only upon receiving an official acceptance email with payment instructions or a binding agreement will you be considered a "participant," as defined by the regulations, and bound by the terms.

Who We Are

At **BRIGHTWAY**, we help early-career and experienced engineers advance their careers through **practical training, real projects, and international experience.**

With personal mentoring, interview preparation, and exposure to professional work methodologies, we support students in securing their first job, making a leap to their next role, or starting their journey as entrepreneurs – all while upholding the values of inclusivity, integrity, and collaboration.

👉 Learn more about us soon on our website: https://www.bright-way.ac