Techma Zone

# APPLIED DATA SCIENCE WITH MACHINE LEARNING

COURSE INFORMATION & ROADMAP

Helping Learners Achieve Their Goals

www.techmazone.com

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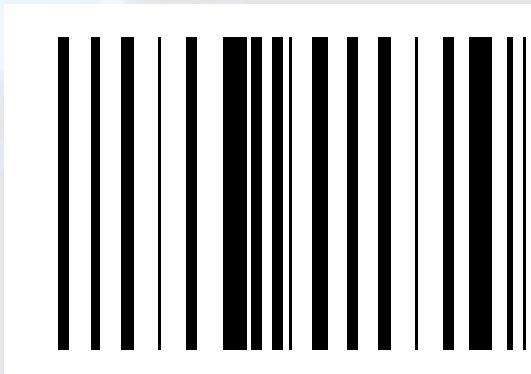
VISION

Our vision is to promote and advance Data Science and emerging technologies in almost every sector of the data driven industry.

To provide latest beginner to advance roadmap for students and professionals to boost their careers as well as master the cutting-edge technologies and emerging trends through hands on training from and stand out from the competitive job market.

MISSION

Our mission is to educate, train and mentor the learners and professionals for Data Science, Artificial Intelligence, Business Intelligence, and other Emerging Technologies to minimize the industry-academia gap that will open door to new opportunities in every sector.

METHODOLOGY

- Learning using real world dataset.
- Project based learning.

MODALITY

- ONSITE.
- Students can avail guidance from our trainers online 7 Days of the Week.

WHY JOIN US?

- Practical Thinking
- Become Job Ready
- Interactive Classes
- Market Level Skill Set
- Real Projects Working
- Industry Experts

UNLOCK THE POWER OF DATA SCIENCE

Duration:
1 YEAR

Investment:
PKR 6,000 PER MONTH

REGISTER NOW

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ELIGIBILITY

- As Data Science starts from Analysis till decision making that's why it is a need for everyone.
- No programming or technology background needed. Any student or professional having background of any of the following is eligible for training Business, Finance, HR & Admin, Audit, Supply Chain, Engineering, Computer Science, Health Care, etc.

WHO SHOULD ENROLL?

- Students or professionals who want to launch their career in Data Science domain.
- Professionals working in BI/Data Warehousing domain.
- Professionals who wish to take their data skills to the next level.
- Executives who want to build a DS department at their organization.

OUR TRAINEES WORK AT

HBL systems | Artistic Milliners DENIM COMPANY OF THE FUTURE | KE Energy That Moves Life | traxccel

Unilever | EY | pwc | Oula In Cooperation with Kantar | Leopards There For You | PTIS The Strongest Link | INDUS HOSPITAL

GulAhmed Textile Mills Limited | Careem | arpatech | LOGIXOS LETS BUILD TOGETHER

ماليات | PIXEL EDGE | Data Darbar | foodpanda | CC Cooperative Computing Get Enabled Digitally

RSS ROBUST SUPPORT & SOLUTIONS | KODEC | CONVEX interactive | alamar الأمار

RTW | StackWeavers | Tazah Technologies

ESIRE | Eminent4U | TIP Textile Institute of Pakistan

udhaar book | ICI PAKISTAN LTD. | Pakistan Oxygen | FMC | FCC future content company (Pvt.) Ltd

& Many More

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PYTHON FOR DATA SCIENCE

This Python for Data Science course covers the essentials of Python programming, Data Cleaning, and powerful libraries like Pandas. Starting with an introduction to Python, students will learn basic syntax, data types, control flow, functions, and modules. The course then delves into Data Cleaning and preprocessing, handling missing data, data transformation, integration, and visualization. Key libraries such as NumPy, Pandas, Matplotlib, Seaborn, and SciPy are introduced for data manipulation, statistical analysis, and visualization. The course concludes with real-world data projects, advanced topics like machine learning, and resources for further learning and career advice.

POWER BI FOR REPORTING
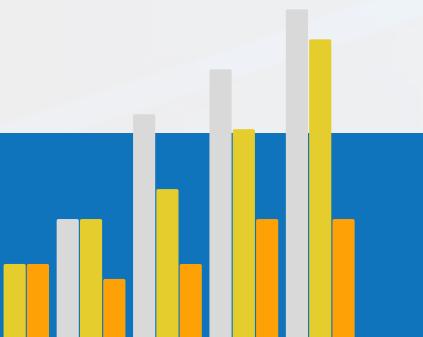
This Power BI for Reporting course covers the essentials of using Power BI for effective data visualization and reporting. Starting with an introduction to Power BI and its interface, students will learn to import data from various sources, transform and clean data with Power Query, and create relationships between tables using DAX (Data Analysis Expressions). The course focuses on building and customizing visualizations, designing interactive reports and dashboards, and implementing advanced features like AI insights and Row-Level Security. Practical examples and case studies are included to demonstrate real-world applications and best practices for report design and performance optimization.

SQL DATABASE FOR DATA SCIENCE
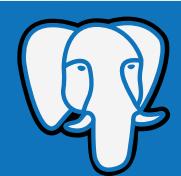
This SQL for Data Science course covers the essential skills needed for data extraction, manipulation, and analysis. It begins with an introduction to SQL and relational databases, followed by lessons on basic SQL queries, including SELECT statements, filtering, sorting, and limiting results. The course progresses to advanced queries with aggregate functions, GROUP BY and HAVING clauses, and subqueries. It also covers different types of joins and unions, as well as data manipulation techniques like INSERT, UPDATE, and DELETE. Practical case studies and projects demonstrate real-world applications, including data extraction, transformation, loading (ETL), and performance optimization. The course concludes with resources for further learning and tips for SQL certification and career advancement.

## MACHINE LEARNING AND PROJECTS

This Machine Learning for Data Science course provides a comprehensive introduction to machine learning, covering data preparation, supervised and unsupervised learning, model evaluation and tuning, and advanced topics like ensemble methods and neural networks. Practical projects, including building a recommendation system and various classification tasks, demonstrate real-world applications. The course concludes with strategies for deploying models and resources for further learning and career advancement.

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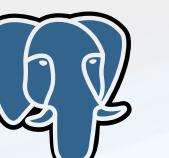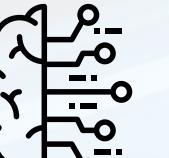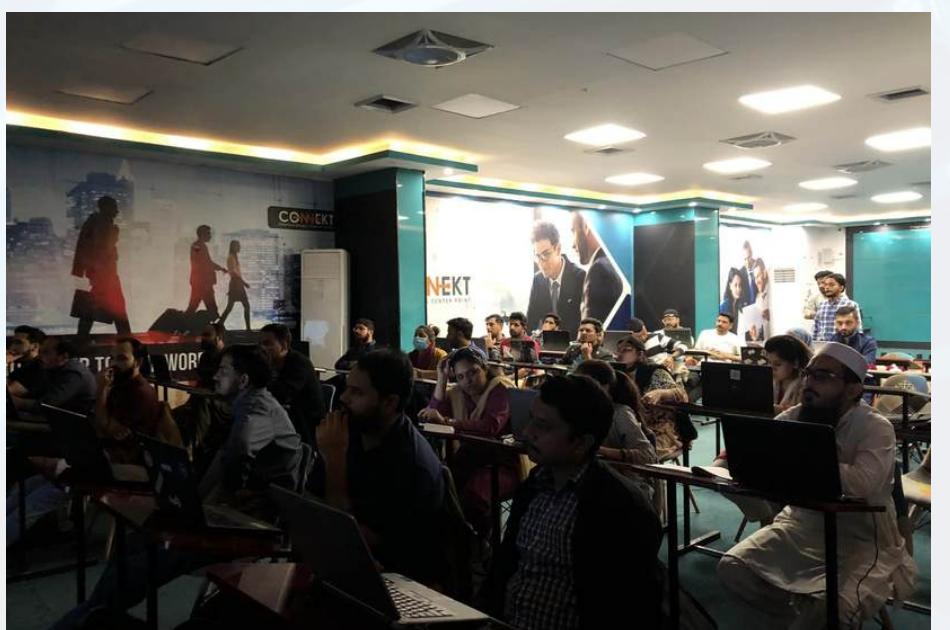
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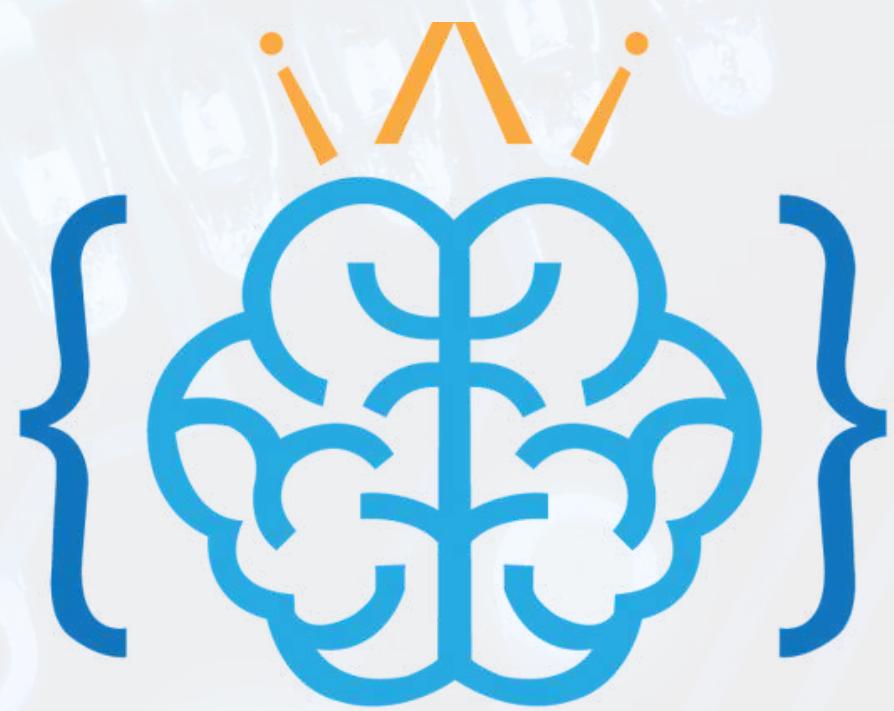
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✉️ **INFO@TECHMAZONE.COM**

📞 **+92-326-0376076**

MAIN CAMPUS

📍 OFFICE NO. 16, 4TH FLOOR,
RJ MALL, JOHAR MOR, KARACHI

CAMPUS II

📍 H-9, PARK VIEW APARTMENT,
GULSHAN E IQBAL, BLOCK

HAPPY LEARNING!