

## Professional Advancement Programs

This program is engineered for working professionals at the intersection of industry expertise and the digital frontier. We bridge the gap between established practices and emerging technological trends through high-impact, practical training.

Beyond technical mastery, we specialize in pedagogical transformation. We empower subject-matter experts to translate their deep industry knowledge into effective teaching and mentorship. Whether you are re-skilling to stay competitive or learning to lead the next generation of talent, our flexible curriculum ensures you remain a highly relevant leader in your field.

### Why join PAP at UTE?

- **Bridge the Skills Gap:** Transition from traditional methods to the digital frontier with high-impact, practical training.
- **Immediate ROI:** Gain technical literacy and workflow automation skills designed for immediate application in your current role.
- **Lead the Next Generation:** Evolve from a subject-matter expert into a mentor and educator through pedagogical transformation.
- **Flexible Learning for Busy Lives:** Advance your career without hitting "pause" thanks to adaptable weekday and weekend schedules.
- **Industry-Standard Certification:** Validate your expertise with a professional certificate that signals your readiness for leadership.
- **Tailored for Working Professionals:** Learn alongside a community of innovators, managers, and technical specialists.
- **Future-Proof Your Portfolio:** Stay highly relevant in a rapidly changing market by mastering predictive modeling and AI-driven workflows.

### Program Objectives

The Professional Advancement Program aims to provide essential short-course training that helps our learners to:

- Master data modeling, statistical analysis, and dashboard design using Power BI, Tableau, and R.
- Develop predictive models and automated workflows using Python and Generative AI prompt engineering.
- Build modern data pipelines, ETL processes, and managed SQL/Big Data infrastructures.
- Apply core principles of computer networking, cybersecurity, and IoT development.
- Implement learner-centered instruction and the TBLT (Task-Based Language Teaching) framework.

## Courses Offered

Classification	Courses	Hours
1. Data Science and Analytics	Python for Data Science Fundamentals	25 hours
	Statistical Analysis with R Programming	25 hours
	Data Science Professional	65 hours
	Data Engineering from Beginner to Advanced	65 hours
	Big Data Analytics	25 hours
2. Data Visualization & BI	Data Analytics and Visualization with Power BI	25 hours
	Data Analytics and Visualization with Tableau	25 hours
	Data Visualization and Web Development with AI (Google Apps Script)	15 hours
3. AI & Machine Learning	Introduction to AI and Machine Learning with Python	25 hours
	AI Tools and Prompt Engineering for Working Professionals	25 hours

4. Database Management & Engineering	DBMS with MySQL and PostgreSQL	40 hours
	DBMS with SQL Server	25 hours
	The Oracle Certified Associate	15 hours
5. Networking & Systems	Basic Programming with Python	25 hours
	Basic Electronics with Python	25 hours
	Internet of Things with NodeMCU	25 hours
	Introduction to Computer Networking	25 hours
	Cyber Security Fundamentals	25 hours
	Cisco Certified Network Associate	40-60 hours
6. Pedagogy & Professional Development	Pedagogical Training for Experts: Hands-on Teaching Practice	15 hours
	Task-Based Language Teaching (TBLT) Professional Certification	15 hours

## Who Should Join

The program is open to the public. We welcome professionals across all levels and functions, including:

- Data & Tech Specialists
- Analysts & Strategists
- Decision Makers & Managers
- Innovators & Learners

## Study Schedules and Registration

We provide a flexible schedule for on-campus classes.

- Weekdays: 8:30 AM – 11:30 AM | 1:30 PM – 4:30 PM
- Weekends: 8:00 AM – 11:30 AM | 1:30 PM – 4:30 PM

Should you be interested in enrolling in our courses, please [click here.](#)