

Elevate Your Career with Comprehensive **Data Analytics**

Embark on a Data-Driven Journey
from Foundation to Expertise

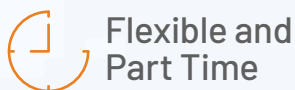
In Demand Work Integrated Learning Program (**WILP**)

Diploma in Data Analytics

from State University of New York, USA

Practical Data Analytics

Professional Certificate



**Hybrid- Live Online
& eLearning**



6 Months

Certificates Awarded by



In Collaboration with
**State University of
New York, USA**



360 DigiTMG
Digital Transformation | Management | Governance



Prerequisites

- ✓ Hold minimum Bachelors or Diploma from an accredited institution with a minimum 60% academic score
- ✓ College degree in STEM-related fields. Science / Statistics / Mathematics / IT / Physics / Software Technology & Business
- ✓ Knowledge of MS Office
- ✓ To clear the entrance exam with 360DigiTMG with a 50% score

Additionally you need to have



Good communication skills



Valid ID proof



All academic mark sheets



NO

programming
knowledge needed

Program Key Highlights



100%

Work Integrated Learning Program (WILP)



100 hours

of credible work integrated
learning experience



RM 1500 / month

Conditional job offer letter from
Innodatatics. Inc



3+ Industry specific
real time projects



10+

Hours of of masterclasses from
leading academicians and faculty from
top Business Schools



9+

Module level simulation
of an actual job interview with
industry experts



10+

Blockchain
security enabled
micro-credential certificates

Program Overview

This 6 months University certified Diploma program in Data Analytics makes you an expert by introducing you to the most influential Data processing, EDA, Descriptive analytics, analysing data to solve complex business problems, pulling the data, and storing reports & dashboards in the required format. In this course, students will be introduced to BI tools like Power BI, Tableau, Advanced Excel, SQL/NoSQL, and Statistical programming tools Python and R programming. One will learn to deliver valuable insights from data through quantitative and qualitative approaches. Integrating the various disparate systems is at the heart of the training program.

Finally, participants can confidently face the customers and document the project solution in a manner that will help align all the business & technical stakeholders into solving the complex business problems.



Learning Outcomes

Understand end to end implementation of projects in the space of emerging technologies including Industrial IoT sensors to generate, Cloud Computing to store the data, classify on whether data is structured data or unstructured data & store the data appropriately, ensuring that the data is secured from external as well as internal miscreants and many more. Most important applying the best practices of handling the projects using well defined project management methodologies.

Module 1

Python Programming

Master Python programming basics, OOP concepts, threading, and data handling with Python packages.

Module 2

Database Management System - SQL

Understand DBMS and RDBMS concepts, and execute advanced SQL queries with PostgreSQL & MySQL.

Module 3

CRISP-ML(Q)

Apply CRISP-ML(Q) for data understanding and preparation, and perform exploratory data analysis (EDA).

Module 4

Data Visualization Using Tableau

Design visualizations with Tableau, including data cleansing, EDA, and interactive dashboard creation.

Module 5

Data Visualization Google Studio

Analyze web data using Google Analytics, create reports, and build dashboards for strategic insights.

Module 6

Business Intelligence with Power BI

Construct dynamic BI solutions with Power BI, mastering data modeling, DAX, and in-depth reporting.

Module 7

Data Analytics using Excel

Employ Excel for statistical analysis, data manipulation, and creating visual interpretations of data trends.

Module 8

Big Data & Analytics using PySpark

Leverage Apache Spark for big data processing, analytics, and MLlib for machine learning tasks.

Module 9

Cloud Data Analytics using AWS

Utilize AWS services for comprehensive cloud-based data analytics, storage, and visualization.

Program Framework

EDA & Descriptive Analytics

Aprx 2 Months

Modules	Contact Hours	Mode
Python Programming <ul style="list-style-type: none">• Python Introduction• Python Operators & Data Structures• Conditional statements, loops and functions• File handling, Exceptional Handling and Multithreading• Python Packages for Analysing the Data• Data Wrangling• Data Visualizations using Python Packages	24 Hours	Virtual
Database Management System (SQL) <ul style="list-style-type: none">• What is database• DBMS vs RDBMS• DBMS Architecture• Three schema Architecture• Install SQL and PostgreSQL• Data Models• DBMS Language• SQL Data Types , Operators and keys• Structured Data vs Unstructured Data• SQL Commands, Types of queries (DML, DCL, DDL, TCL)	16 Hours	Virtual

Modules	Contact Hours	Mode
CRISP-ML(Q) - Business & Data Understanding; Data Preprocessing, EDA, Feature Engineering <ul style="list-style-type: none"> • Introduction to Big Data Analytics • CRISP - ML(Q) • Data Understanding • Stages of Analytics • Exploratory Data Analysis (EDA) • Feature Engineering such as Encoding, Dummy Variable Creation etc • Data Cleaning / Preparation - Missing Values Imputation Techniques • Outlier Analysis/Treatment • Types of Data based on Structure (Structured versus Unstructured vs Semi-Structured Data) • Inferential Statistics (Transformations, Normalization / Standardization, Discretization) • Analysing the Time series data (Cross Sectional versus Time Series vs Panel / Longitudinal Data) 	20 Hours	Virtual
Estimated Industry Project Hours	20+ Hours	Offline & Virtual (R&D / Real-time projects, self practises)

Business Intelligence & Visualization

Aprx 2 Months

Modules	Contact Hours	Mode
Business Intelligence with Power BI <ul style="list-style-type: none"> • High level Master Modules • Introduction to Power BI • Power BI Desktop • Data Modelling & DAX • Data Visualizations 	24 Hours	Virtual

Modules	Contact Hours	Mode
<ul style="list-style-type: none"> Power BI Q&A and Data Insights Power BI Report Server Advanced Analytics Final Exam Coursework -Offline assignments Capstone Project 		
Data Visualization Using Tableau <ul style="list-style-type: none"> Data Visualization principles and concepts Tableau architecture, including the most important processes Data Generation and Data Collection Data Cleansing/Data Preparation Exploratory Data Analysis using in-built options and default visualizations in Tableau Feature Engineering/Feature Engineering and Selection Conduct data extraction and data blending with multiple data sources Tableau filtering options, groups, sets and calculations, LOD expressions Charts in the latest version of Tableau Desktop Tableau calculated fields and advanced reporting concepts Tableau maps, dashboards and stories 	24 Hours	Virtual
Data Visualization Google Studio <ul style="list-style-type: none"> Introduction to Google Analytics Data collection and pre processing Web Analytics: Understanding and Using Google Analytics Data Collecting Actionable Data with Google Analytics Live Reports and Creating Dashboards Navigating advanced Google Analytics Reports Ecommerce Analytics Google Tag Manager Google Analytics 360 - Campaign Manager, Ad manager, Integration 	4 Hours	Self-paced

Modules	Contact Hours	Mode
Estimated Industry Project Hours	40+ Hours	Offline & Virtual (R&D / Real-time projects, self practises)
Exam Preparation for Diploma in Data Analytics (Self-Paced modules from State University of New York, USA)	100+ Hours	eLearnings (SUNY faculty prerecorded study materials and pretests to practise)

Data Analytics on Cloud

Aprx 1 Month

Modules	Contact Hours	Mode
Data Analytics Using Excel <ul style="list-style-type: none"> Statistical analysis using Excel Business moments Graphical techniques using Excel Hypothesis testing using Excel Data validation and creating charts Pivot tables Conditional, look up and text bases functions 	24 Hours	Virtual
Cloud Data Analytics using AWS <ul style="list-style-type: none"> Introduction to AWS Data Analytics Databases used in Data Analytics • Data Collection in AWS Kinesis Storage in AWS AWS DynamoDB Processing Data in AWS Analysis in AWS Visualization in AWS 	20 Hours	Virtual

Modules	Contact Hours	Mode
<ul style="list-style-type: none"> Amazon QuickSight for visualizing data Security 		
Big Data & Analytics using Pyspark <ul style="list-style-type: none"> Super-Fast Apache Spark Components of Apache Spark Spark Unified stack Big Data Cleaning and Wrangling with Spark Data Visualization: Aggregating and Summarizing Data into Useful Reports Powerful Exploratory Data Analysis with MLlib Spark SQL Primer Integrating External Tools with Spark SQL Introduction to the Data Lakehouse 	12 Hours	Self-paced
Estimated Industry Project Hours	40+ Hours	Offline & Virtual (R&D / Real-time projects, self practises)

SUNY Final Examination

Aprx 1 Month

Modules	Contact Hours	Mode
SUNY Final Diploma examination	1 Hour	Aprx 40-60 MCQ questions

Sample Flexi Module Schedule

For eg. EDA - Python Programming Module

EDA & Descriptive Analytics		
Python Programming	Session 1	Saturday
	Session 2	Sunday
	Session 3	Saturday
	Session 4	Sunday
Module Exam	1 hour (On-demand exam)	
(On-demand module exams allow for the flexibility in your studies as you can sit for the exam at any time before you start the next module, and get your results instantly.		

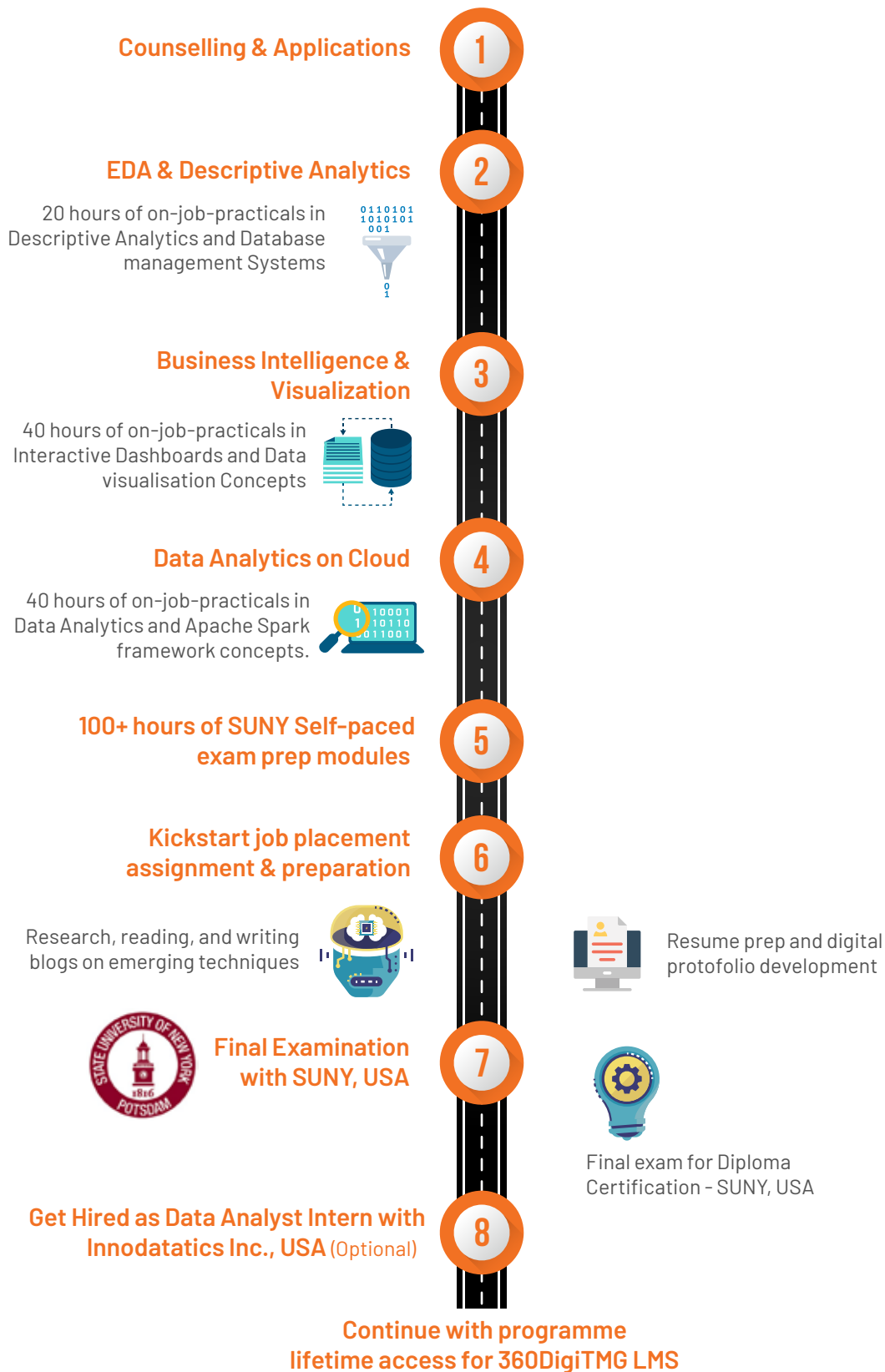
Typical Schedule looks like

Sessions	Timings
Live sessions (Weekends)	9:30 am to 2:00 pm or 9:30 am to 4:30 pm
Support sessions (Wednesday)	7:00 pm to 8:00 pm
Virtual project sessions (weekdays)	Subject to Project Owner Availability

Note:

1. The above schedules are sample only and subject to change where necessary and on public holidays
2. Attendance of all live sessions and completion of quizzes, exams, assignments, offline research, and projects are mandatory if you are aiming to join for paid internships with Innodatatics Inc, USA

Road Map for Practical Data Analytics Diploma Program



Program Deliverables

- ✓ Life-time Access to the Learning Management System account
- ✓ 3 Industry specific real-time projects
- ✓ Up to RM 1500 per month paid internships upon successful completion of training
- ✓ Mock interview session, module-level simulation of an actual job interview with industry experts
- ✓ Networking sessions with successful 360DigiTMG Alumni
- ✓ Placement assistance sessions - Resume/Linkedin profile customisation to suit your industry to stand unique
- ✓ Placement assurance services for 12 months from the intake date
- ✓ Conditional internship offer letter with up to RM 1500 per month upon successful admission to the program
- ✓ Scholarships up to 10% - Our program advisors shall help you save more
- ✓ Digital portfolio - Assistance in building a profile to suit all fields of the data analytics spectrum

*Conditions apply

Who should attend



Candidates aspiring to be Data Analysts, BI Analysts, Bi Developers, etc.,



Software & IT professionals



Freshers & any STEM background students aiming for data stream jobs



Data Professionals, Domain Experts & Business Professionals



Admission and Internship Offer Process

- Step - 1** ● **Fill Application Form**
Apply today by filling the application form
- Step - 2** ● **Assessment test, verification & documentation**
Take an entrance test. This test is to assess your analytical & quantitative aptitude to ensure you are ready for the program
- Step - 3** ● **Receive course offer letter from 360DigiTMG & SUNY**
Once shortlisted, you will receive a confirmation letter for the Diploma in Data Analytics
- Step - 4** ● **Signing, enrolments and payments**
Block your seat by paying your course fee. You have 5 days to complete the enrolments from the date of offer or intake start date, whichever is earlier
- Step - 5** ● **Block your calendar and kick start your learning journey**
- Step - 6** ● **Get Hired**

Price structure

Total Program Fee

RM 5900

Hybrid Mode Training
Combination of Virtual and eLearnings

Installments as low as
RM 2950 per month

Fee break up with installments

Application Fee (Not included in the fee)	Single Shot Payment (10% discount)	Standard Installments
Application fee RM 100	RM 5310	RM 2950 Day 0 (No Cost EMI) RM 2950 Day 30 (No Cost EMI)

Contact us for a customised price and 100% HRD Corp Claimable!

8% SST Applicable

All About SUNY



Prof. Anthony Betrus

NEF National Director

NEF STEM+ Academy Program
National Director at the SUNY

A national expert in digital
education systems and
instructional technology

Implementer - the NEF Cybe
Learning STEM + Academy
Total Solution programs

The State University of New York (SUNY) is the largest comprehensive university system in the United States with 64 institutions, including research universities, academic medical centers, liberal arts colleges, community colleges, colleges of technology and an online learning network. This extensive university system serves close to 1.3 million students, and has nearly 3 million alumni located around the globe.

We are elated to collaborate with 360DigiTMG and offer an exclusive Diploma Program in Data Analytics. This is a collaboration of two education and training experts who share this common ethos of imparting the best-in-class training and thereby empowering students with the knowledge and skills to rise up quickly in their chosen career paths. Our exclusively curated Diploma Program in Data Analytics will have expert tutors from both SUNY and 360 DigiTMG. The course is complimented with real-time projects supported by premier industry partners like Innodatatics USA Inc, Panasonic and many more.

Rest assured, that you will be getting the best of both worlds through this program and it will help you pursue a successful career in Data Analytics.

Spotlight on Success:

MDEC Endorses Leading Data Science Training

Recognized as one of Malaysia's top training providers, 360DigiTMG has set the benchmark in data science education. Their Data Science Using Python & R course, accredited by the HRDF under Malaysia's Ministry of Human Resources, stands out for its depth and applicability across industries. As proud partners, we at MDEC vouch for its comprehensive curriculum that skillfully bridges theoretical knowledge with practical application, preparing aspirants for the dynamic demands of the tech industry.



A statement from the leader

CEO's Message

We have upped the ante. We have pressed on the gas pedal. We have transformed over years with our AI capabilities-driven learning aids, which includes our AiTutor for effective analysis based on the learning behaviors of students. These insights will make the learning actionable.

This goes back to our pledge of bringing the best in you and with the killer objective of job placement for our students, we filled "Job - The Ultimate Destiny" in our DNA.

With the introduction of AI driven Soft Skills + Industry Leader Talks + Alumni Connect we intend to make the learning journey lucrative and enjoyable like never before.

With our broad theme - "We don't just train, we transform careers", I wish you success in your upskilling, which is the only constant in life.



Bharani Kumar Depuru

Founder & Director
360DigiTMG and
Innodatatics Inc, USA



Our Panel of Coaches



Bharani Kumar Depuru

Program Director
CEO & Founder
360DigiTMG Groups



Lavanya Gade

Program Advisor
UTM | SUNY Programs
360DigiTMG, Malaysia



Sharat Chandra Kumar

Data Scientist
Research in Analytics
Big Data & Deep Learning



Deepthi Gonela

Data Scientist
360DigiTMG, India



Bhargavi kandukuri

Senior Business Analyst
Innodatatics, Malaysia



Shiv Kumar Paswan

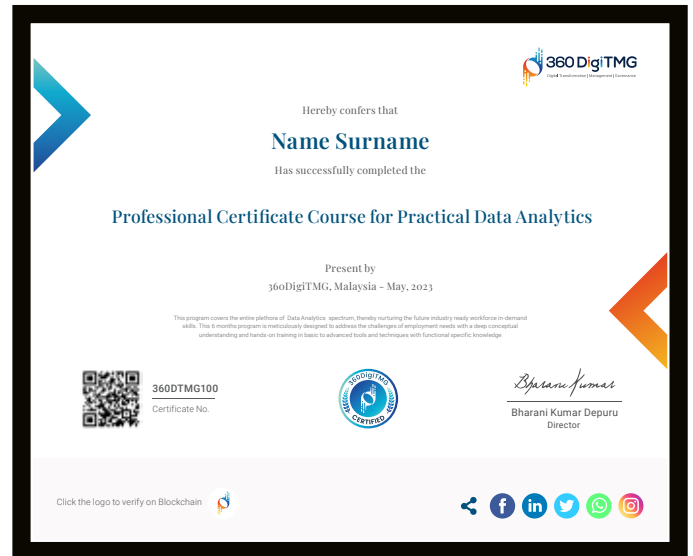
Data Science Consultant
360DigiTMG, India



Disclaimer : Please be informed that course operations for Practical Data Science and Deployment Specialist Executive Program is handled by 360DigiTMG Malaysia Branch in Collaboration with SUNY, USA | UTM, Malaysia | IBM, India | NASSCOM, India

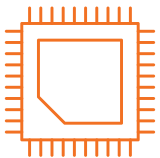
Accredited and globally recognized Certificates

Our program comes with a globally recognised industry leader certificate to showcase your knowledge and skills in Data Analytics and Business Intelligence fields



* All samples shown are for illustration purposes only. The actual certificate might vary based on course enhancements and awarding body

System Specification



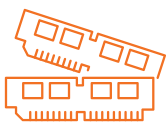
Processor

Intel i5 or above / AMD Ryzen 3 or above (Recommended i7, 7th gen)



Operating System

Windows 11
Minimum Window 10



RAM

Minimum 8 GB
Recommended



System Type

32-bit (x86), 64-bit (x64)

Why should you take up this programme?

» RM 4,800 to RM 7,583 per month
for freshers with zero years of experience

» How much employees earn by their job title

Data Analyst RM 57,600 / year	Senior Data Analyst RM 91,000 / year
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BI Consultant RM 80,000 / year	BI Developer RM 54,767 / year
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Do You Know?

» The top 5 most asked skills for Data Analyst jobs in Malaysia

Data Mining &
modelling

Database management
& reports

Tableau

Python

Big Data Analytics

The ASEAN-6 economies are expected to show a collective **growth of 4.6 percent for 2024**, signaling a robust job market potentially leading to higher demand and salaries for skilled roles such as Data Analysts

Monthly Commitment

15-20

Contact hours of
training per month

10+

hours of
asynchronous
learning per
month

10+

hours of
coursework &
projects per
month

Insights & Achievements

At 360DigiTMG, our team's diverse expertise has propelled significant industry advancements. Our professionals, including dedicated Media Analysts and Data Scientists in India and the Malaysia, have been central to our success.

Key Achievements



Tata Trusts
Data solutions for
Tata Trusts impacting
over 1700 villages.





IBS Japan
Innovative data
migration
and forecasting.





Rela Hospital
Groundbreaking
predictive models
for healthcare.









Industrial Innovation



**Hindustan
Coca-Cola Beverages**
Integrated IR4.0
solutions.





Volvo Trucks
AI-driven
quality control.







Operational Excellence



Korean Air
Profit-boosting
demand forecasting.





Yatra Online
HR analytics enhancing
performance.







We're creating the future by training top-tier talent.
Join us to be part of this journey.

Transformational Learning Experiences

Revolutionize How Your Team Learns

Innovative Training Methodology

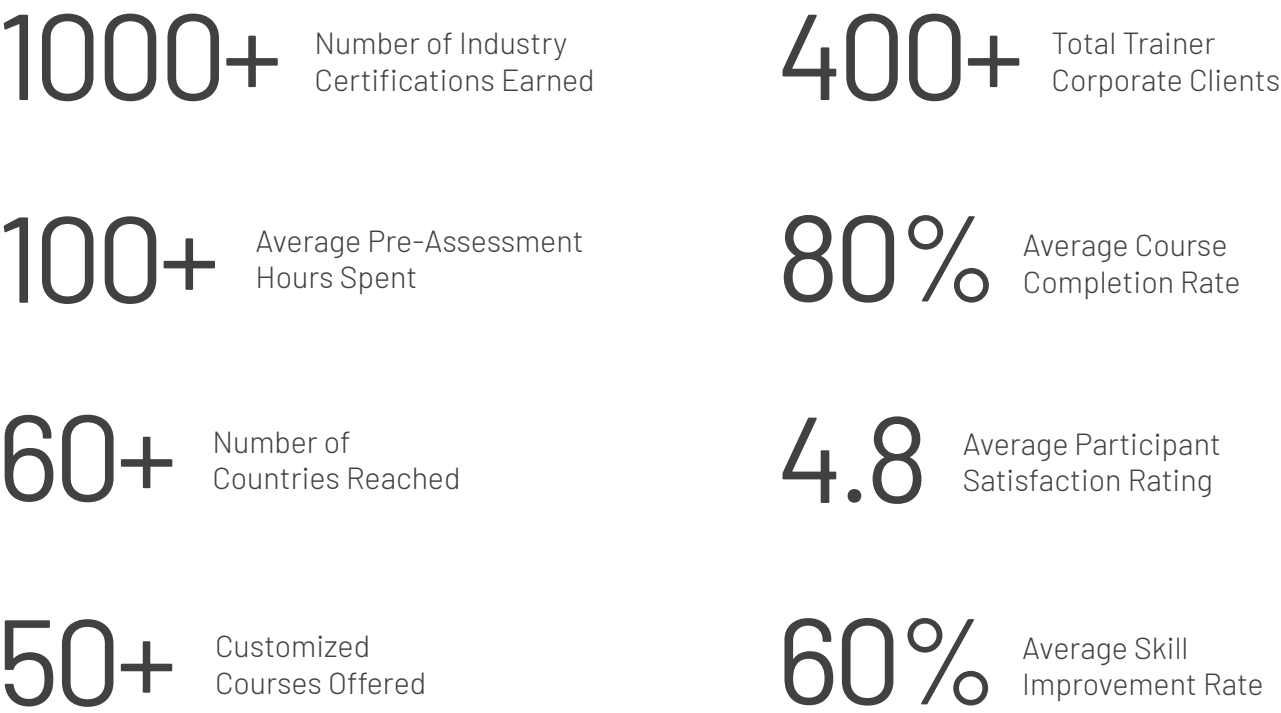
- ✔ **Versatile Training Modes** : Onsite, offshore, virtual sessions tailored for flexibility.
- ✔ **Interactive Learning** : Live presentations with real-time annotations, hands-on demonstrations, and dedicated Q&A to deepen understanding.
- ✔ **Collaborative Spaces** : Breakout group discussions and a vibrant LMS community foster peer interaction and ongoing engagement.
- ✔ **Dynamic Assessments** : Regular quizzes, polls, and personalized feedback loops ensure continuous progress and curriculum refinement.
- ✔ **Real-World Application** : POC-based coursework directly applies learning to business challenges, enhancing real-world problem-solving skills.

Success Transformation – Nutrition and Wellness Industry

“Herbalife's Director of Sales Strategy and Analytics, Ong Peik Chen, praises our customized training for 25 team members: "Exceptional virtual training...resonated well with participants." This collaboration highlights our commitment to delivering personalized, impactful learning experiences. Led by experts, these sessions were crafted to resonate with Herbalife's mission, industry-specific case studies that enhanced team knowledge and operational excellence.



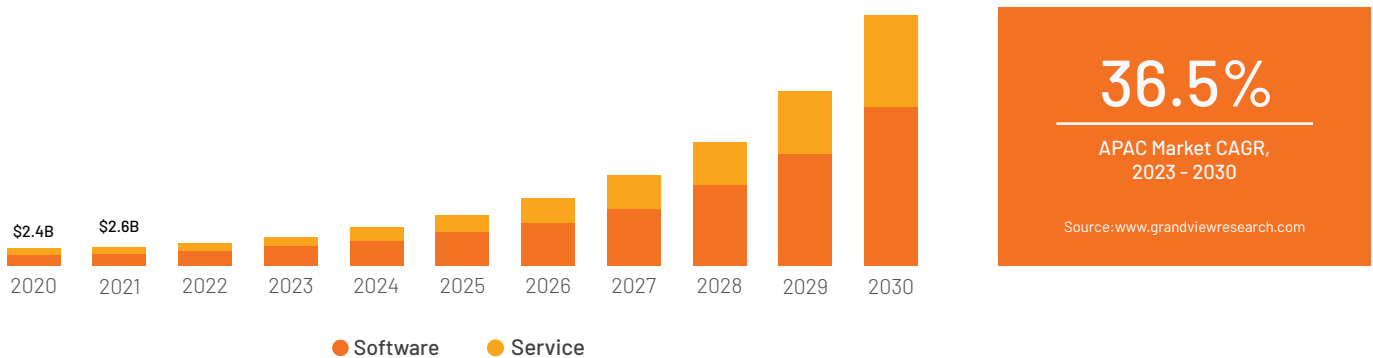
Data-Driven Learning Insights



Diversifying Skillsets in a Multi-Sector AI Landscape

Asia Pacific Generative AI Market

Size, by Component, 2020 - 2030 (USD Billion)



Accreditation to international certification bodies



100% HRD Corp Claimable Course & 0% upfront payment.

We are an HRD corp approved training provider (MyCoID 1265527-M). All our courses are HRD Corp claimable. If your company is registered under HRD Corp, your HR can apply for the training grant to train on our courses.

Have questions about how it fits in with your career goals?
Speak to our program advisor today!

Apply for profile review & 1-1 on career counselling with **Ms. Lavanya Gade**

WhatsApp @ +60 17 356 5248

✉ info@360digitmg.com

🌐 360digitmg.com

(1265527-M) Level 16, 1 Sentral, Jalan Stesen Sentral 5, KL Sentral, 50740, Kuala Lumpur, Malaysia

Disclaimer: Please be informed that course operations for Diploma in Data Analytics are handled by 360DigiTMG Malaysia Branch in Collaboration with SUNY, USA | Innodatatics Inc., USA

- Placement assistance service is available only for Malaysian residents enrolled through 360DigiTMG directly
- 360DigiTMG does NOT promise or guarantee a job or progression in your current job
- Career Services is only offered as a complimentary service to manage your career proactively
- All product and company names in the alumni page are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them

Note:

- This curriculum is subject to change based on inputs from Industry and Innodatatics Inc, USA
- All project & assignment durations are estimated based on an average student pace & speed
- All modules are available in virtual learning mode for selected module schedules, please contact the respective program advisors