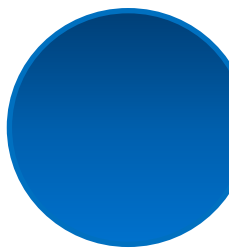


# DATA ANALYST



**MISSION TO TRAIN THE  
STUDENT WELL  
ESTABLISHED SOCIETY  
WITH A POOL OF HUMAN  
TALENTS TO FULLFILL THE  
REQUIREMENTS  
COMPANY/NATION WITH  
SYSTEMATICS APPROA  
CH!**



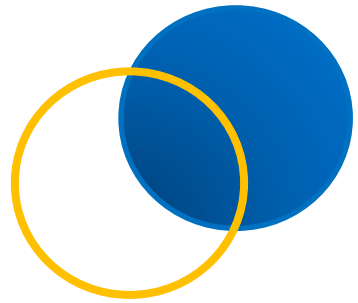
## ABOUT

### DATA ANALYST AGASTYAS SOLUTIONS

**AGASTYAS SOLUTIONS** is provides a well-known professional's **DATA ANALYST** training.

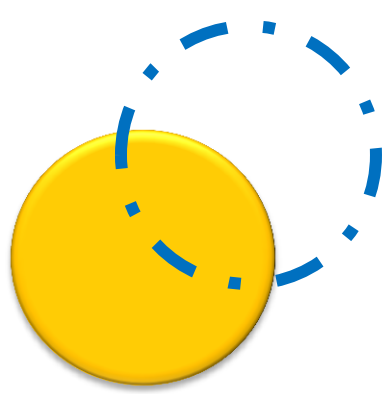
**DATA ANALYST** Course offered at AGASTYAS SOLUTIONS are devised with best practices recommended by Google and other leading search engines. Our strategies are developed with many years of experience. We are passionate about **DATA ANALYST** and that's why our strategies **WORK!** We are sure our sound knowledge and effective **DATA ANALYST** principles will turn you into an **DATA ANALYST** Professional.





# OUR MOTO!

TO TRAIN AND MAKE  
EVERYSTUDENT AN  
OUTSTANDING DATA  
ANALYST PROFESSIONALS.





# OUR STUDENTS WORKS AT



AGASTYA SOLUTIONS

A journey to excellence



# ADVANCED AND EXPERT DATA ANALYST

- ❖ SUPPORT & GUIDANCE FOR GOOGLE & OTHER INDUSTRY CERTIFICATIONS.
- ❖ CASE STUDIES & REAL TIME PROJECTS/  
TRAINING

**DURATIONS**

*45 - 75 Hours.* ⌚



# **MODULE 1: DWH / BI / DATA ANALYTICS CONCEPTS**



- # WHAT IS BUSINESS INTELLIGENCE / DATA WAREHOUSE
- # DATA WAREHOUSE ARCHITECTURE
- # ETL / REPORTING AND TOOLS INVOLVED DAY TODAY LIFE WITH EXAMPLES
- # MODERN DATA WAREHOUSE ARCHITECTURE
- # CLOUD DATA WAREHOUSE INTRODUCTION
- # WHAT IS DATA ANALYTICS
- # WHAT IS BUSINESS ANALYST
- # DIFFERENCE BETWEEN DATA ANALYSIS, DATA ANALYTICS & BUSINESS ANALYST
- # DATA VISUALIZATION EXAMPLES FROM OUR DAY TO DAY LIFE
- # TYPE OF ANALYTICS & TOOLS USED FOR DATA ANALYTICS



**+**DASH BOARD REPORTING & TYPES  
OF OLAP TOOLS



## **MODULE 2: SQL FOR DATA ANALYTICS (INTERMEDIATE – ADVANCED LEVEL)**

**+**INTRODUCTION TO DBMS, SQL, DATA BASE  
AND ITS TYPES

**+**DATA BASE BASICS TABLE, ENTITY,  
ATTRIBUTE & TUPLES

**+**ER MODEL & DIMENSION MODEL

**+**SCHEMA DESIGN, CARDINALITY, JOINS  
AND ITS TYPES

**+**NORMALIZATION, DE-NORMALIZATION AND  
ITS USAGES

**+**DDL WITH ALL SCENARIO BASED TABLE  
CREATION

**+**DML WITH ALL SCENARIO BASED  
TABLE MANIPULATION



• DCL WITH ALL SCENARIO BASED TABLE CONTROL

• DR / DQL WITH ALL SCENARIO BASED TABLE RETRIEVAL PROCESS (SORT / ORDER BY / RANK)

• JOINS AND ITS TYPES ALONG WITH PERFORMANCE TUNING TECHNIQUE USING JOINS

• SUB QUERIES AND ITS TYPES WITH PERFORMANCE TUNING TECHNIQUES

• VIEW AND ITS TYPES AND LIMITATIONS

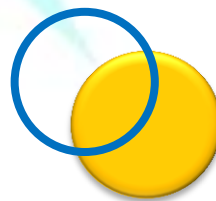
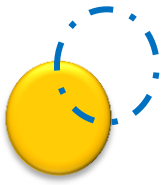
• FUNCTIONS AND ITS TYPES

• AGGREGATION, NUMBER, CHARACTER, DATE FUNCTIONS

• REGULAR EXPRESSION AND WINDOW FUNCTIONS

• SET OPERATIONS.

• SQL CONSTRAINTS



SQL PERFORMANCE TUNING  
TECHNIQUE

SQL OPTIMIZED QUERY WRITING  
TECHNIQUES



## **MODULE 3: POWER BI - DATA ANALYTICS (INTERMEDIATE – ADVANCED LEVEL)**

INTRODUCTION REPORTING TOOLS AND IT  
TYPES

INTRODUCTION DASH BOARD TOOLS AND IT  
TYPES

DIRECT QUERY MODE

IMPORT QUERY MODE

POWER BI SYNC SLICERS

POWER BI HIERARCHIES

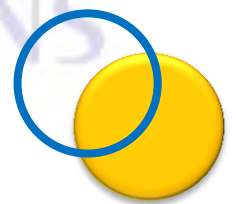
BASIC DASH BOARD STRUCTURE

TYPES OF GRAPHS

DASHBOARD PROPERTIES



- #GROUP IN POWER BI
- #CUMULATIVE REPORT VIEW,
- #DRILL DOWN, DRILL UP, DRILL THROUGH,  
DRILL ACROSS
- #HIERARCHY REPORTS
- #TOP N FILTER
- #POWER BI TOOLTIPS
- #TEXT BOX WITH HYPERLINK
- #PAGE NAVIGATION WITH BOOKMARKS &  
BUTTONS
- #MEASURES IN POWER BI
- #QUICK MEASURES
- #CHANGE DATA SOURCE IN POWER BI
- #CLEAR ALL SLICERS VALUES POWER BI
- #PERSONALIZE VISUALS IN A POWER BI  
REPORT
- #SUBSCRIBE POWER BI REPORT & DASHBOARD
- #SET DATA ALERTS IN THE POWER BI SERVICE

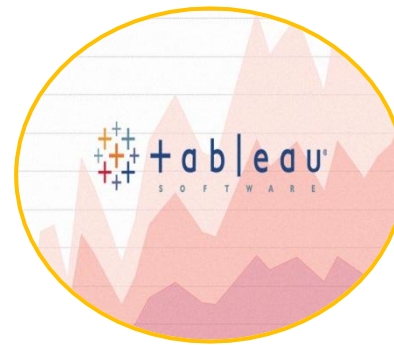
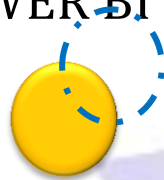


- MANAGE VISUAL HEADER ON POWER BI SERVICE

- TURN ON TOTAL LABELS FOR STACKED VISUALS IN POWER BI



## MODULE 4: TABLEAU - DATA ANALYTICS (INTERMEDIATE - ADVANCED LEVEL)



- HISTORY AND INTRODUCTION TO TABLEAU

- TABLEAU PRODUCTS

- INSTALLATION

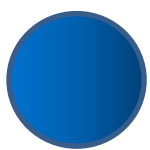
- CREATION OF TABLEAU PUBLIC PROFILE

- PROJECT LIFE CYCLE

- ARCHITECTURE OF TABLEAU

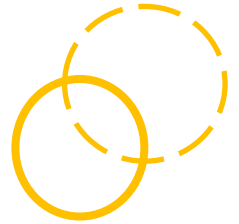
- HOW TO CONNECT TO DIFFERENT DATA SOURCES

- WHAT IS DIFFERENCE BETWEEN PHYSICAL LAYER AND LOGICAL LAYER



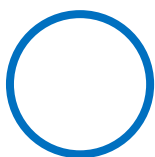
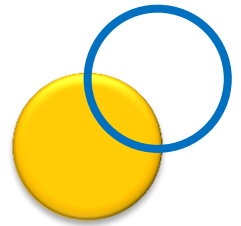


- # DATA PANE AND CUSTOM SQL
- # JOINS VS UNIONS VS RELATIONSHIPS
- # DETAILED TOUR OF WORKSHEETS,  
DASHBOARD AND STORY
- # BASIC CHARTS – BAR, LINE, MAPS, BUBBLE,  
HEAT MAP, AREA, CROSSTAB, PIE, ETC
- # WHICH CHART TO USE WHEN?
- # TYPES OF FILTERS
- # ORDER OF OPERATIONS
- # TYPES OF GROUPING
- # SORTING
- # HIERARCHIES
- # PARAMETERS
- # SETS
- # ANIMATION IN TABLEAU
- # DASHBOARD CREATION
- # MAPS – CUSTOM GEO CODING, FIXING THE  
UNKNOWN LOCATIONS IN MAPS
- # ADVANCE DASHBOARD FILTERING





- # DYNAMIC REFERENCE LINES
- # SHEET SWAP USING PARAMETERS
- # CALCULATIONS
- # TABLE CALCULATIONS
- # PAGE SHELF
- # R/ PYTHON AND TABLEAU INTEGRATION
- # RESPONSIBILITIES OF A TABLEAU DEVELOPER FROM SERVER PERSPECTIVE
- # HOSTING FILE TO TABLEAU SERVER
- # GIVING PERMISSIONS
- # ADDING NEW USERS/ GROUPS
- # ENABLING AND MANAGING SUBSCRIPTIONS
- # ENABLING AND MANAGING ALERTS
- # SHARING LINKS TO THE USERS



## MODULE 5: INTRODUCTION TO EXCEL



✚ MICROSOFT EXCEL

FUNDAMENTALS

✚ ENTERING AND EDITING TEXTS AND  
FORMULA.

✚ CREATING BASIC CHARTS IN EXCEL.

✚ IMPORTING AND EXPORTING DATA.

✚ EXCEL PIVOT TABLES,

✚ CONDITIONAL FUNCTION,

✚ LOOKUP FUNCTIONS.



## MODULE 6: INTRODUCTION TO CLOUD DATA SOURCES - (AWS/AZURE/GCP & BIG DATA TABLES)

✚ WHAT IS CLOUD COMPUTING?

✚ DIFFERENT CLOUD COMPUTING



## PROVIDERS

- ✚ AWS VS AZURE VS GCP VS SNOWFLAKE
- ✚ INSTANCE SIZE AND ITS DESCRIPTIONS
- ✚ CLOUD SERVICES AWS – S3, RDS, RED SHIFT
- ✚ CLOUD SERVICES AZURE – BLOG, DATA LAKE, ADF
- ✚ BIG DATA INTRO – HIVE TABLE CONNECTIONS

**GETTING A HIGH PAYING JOB OR  
SETTING UP YOUR BUSINESS**

**BEST WISHES FOR YOUR GREAT**

**ENDEAVORS & FUTURE!**

**THANK YOU!**

