CURRICULUM FOR DATA ANALYTICS ADVANCE TRACK

- ➤ **DURATION** – 1 MONTHS.
- ➤ **TOOLS** – SQL, PYTHON.
- ➤ **OBJECTIVE** – AT THE END OF TRAINING, STUDENTS SHOULD BE ABLE TO MAKE INFORMED DATA -DRIVEN DECISIONS BASE ON ANALYSIS PERFOMED.
- ➤

MODULE	TOOL	DURATION	CONTENT	ASSIGNMENT
MODULE ONE	SQL	2 WEEKS	• INTRO TO DATABASE • DATA TYPES • SELECT STATEMENT • RESTRICT AND SORT DATA • SINGLE ROWS FUNCTION TO CUSTOMIZE OUTPUT • CONVERSION FUNCTIONS AND CONDITIONAL EXPRESSION • JOINS •SET OPERATORS • DATA MANIPULATION STATEMENT • CREATING AND MANAGING TABLES • OTHER SCHEMA OBJECT • CONTROL USER ACCESS • MANAGE OBJECT WITH DICTIONARY VIEWS	**The school district superintendent asks for a list of teachers in each school.** **write a query that lists the school alphabetically, ordered by last name A-Z** **write a query that finds the one teacher whose first name starts with the letter S and who earns more than $40,000** **Rank the teachers hired from january 1, 2010 ordered by highest paid to lowest paid**
MODULE TWO	PYTHON	1 WEEK	• INTRO TO PYTHON • PRINT STATEMENT COMMENTS • DATA STRUCTURES AND TYPES • OPERATORS • INPUT AND OUTPUT • DEEP AND SHALLOW COPY.	
MODULE THREE	REVISION	1 WEEK	• WORK OVERVIEW QUESTIONS AND CLARITY	