Department of Commerce

Executive Summary of Value Added Program

We were extremely satisfied delivering the theory and practical modules of the Data Analysis using Advanced Excel, Power BI & Tableau program to 100 students of **B.com** at your college. Students were enthusiastic and participative in Practical learning of Power BI & Tableau software conducted during the sessions. They have shown high levels of energy and were keen to learn the new Features, Systems, Dash Boards & KPI'S modules being conducted.

The student participation and overall involvement with the program has been encouraging and we are pleased with the impact that we are able to bring about their skill enhancement.

Our trainers are satisfied with the overall responses they got from the students during the sessions. Students are slowly getting equipped to apply theoretical concepts to practical real-life situations and learn new methodologies to handle challenges in their future career space.

Module Coverage:

The specific modules (one hour each) covered during the semester are as below:

S.no	Chapter	Hours
Data Analysis using Advanced Excel, Power BI & Tableau		

We hereby inform the College management that, We have completed 30 hrs. of the entire Data Analysis using Advanced Excel, Power BI & Tableau.

And the Students performance in Practical Exam is Excellent with A Grades scored by all 100 students.

Faculty Profiles:
We have employed a total of **faculty member** with expertise across different areas to conduct the training for the students. A brief background of the faculty engaged in the program delivery is as below:

#	Faculty Name	Qualification	Experience	Area

1	Santosh B.S (Faculty)	BCom, MBA, DSM	15 years in training	Accounting & Taxation
2	Venkatesh & Anantha Laxmi (Content Design)	MBA Finance	5 years in Content Designing	Content Creator
3	Mohith (Co-Ordinator)	B.com, MBA Finance	2 Years as Co-Ordinator	Course Syllabus, Positing & Marketing

Program Name – Tableau & Power BI		
Duration	30 hrs	
VALUE ADDED PROGRAM FLOW – SYLLABUS COPY FOR POWER BI COURSE		
SL NO	TOPIC	COVERAGE IN TOPIC
1	Power BI & Tableau Introduction	• What is BI • What is Power BI • Different Products of Power BI 1.Power BI Desktop 2.Power BI Pro 3.Power BI Premium Power BI Power BI Report Builder
2	Power Query-Introduction	• How to import data into Power Query from Excel file, Csv, Text Files? • Loading data from Power Query back to Excel sheet, Power View • What happens to Power Query data when output changes?
3	Power Query – Data Transformation	Text Functions o Upper, Lower, Sentence Case, Trim, Clean o Add Prefix, Add Suffix

		o Left, Right, Mid, Length, • Number Functions o Addition, Subtraction, Di • How to keep or remove-empty/duplicate rows, define header row, filter rows? • How to perform left, right, mid, len formulas on Text data inside Power Query • How to perform addition, subtraction, multiplication, division inside Power Query? • How to get date related in formation like Day name, month name, Year, Quarter, etc.? Using Properties • Writing conditional IF type formulas inside Power Query using user interface.
4	Power View – Introduction	What is Power View in Power BI? • Using Power BI Desktop Tool – Options • Report Visuals, Fields, Pages and Filters • Report, Data and Relationship Options • Working with Visualizations and PBI Canvas • Working with Enter Data, Get Data Options • Enter Data from Excel Files, Basic Reports • PBIX and PBIT File Formats. Differences • Designing Simple/Basics Reports in PBI • Visual Interactions in Power BI-Options

		• Spotlight Options with Visuals, Real-time Use • VIEW Options with Power BI Desktop Tool • Web View and Mobile View Options, Scaling • Table Visual and GRID Options for Display
5	Power View – Hierarchies	Creating Hierarchies. Drill Down Reports • Drill Thru Reports and Conditional Filters • Expand, Expand All Down, Go to Next Level • Drill Up, Drill Down. Exclude & Include • See Data, Export Data, See Records Options • Filters: Types and Usage in Real-time • Visual Filters, Page Filters, Report Filters
6	Power View – Visuals	Power BI Visualizations and Types • Fields, Formats and Analytics Options • Table Visuals and Properties, Filters • Data Bar and Data Scaling Options • Slicer-Single Select and Show All • Chart Reports- Types, Common Properties • Axis, Legend, Value and Tool tip Options • Stacked Bar Chart, Clustered Column Chart • Stacked Bar Chart, Stacked Column Chart • Clustered Bar Chart: Properties, Use • Clustered Column Chart: Properties

		• 100% Stacked Bar and Column Charts
		• Data Label Properties, Legend Properties
7	Power View – Supporting Elements for Visualization	Data Point and Series Limitations
		• Tree Map, Funnel and Gauge Reports
		• Group and Values in Tree Map Visuals
		• Single Row Card and Multi Row Cards
		• Map Reports and Filled Map Reports
		• Arc GIS Maps-Latitudes and Longitudes
8	Creating the Data Mode	• What is a Data Model? • Creating Table Relations • Creating a Star Schema • Understanding When to denormalise the Data • Creating Linked Tables • Creating Hierarchies • Making a User-Friendly Mode
9	Creating Calculations with DAX – 60 Functions	What is DAX?
		• Implementing DAX Operators
		• DAX–Text Functions
		• DAX–Number Functions
		DAX–Date Functions
		• DAX–Logical Functions
10	Creating Measures with DAX	Measures versus Attributes
		• Creating Common Aggregates
		• Mastering Data Context

Highlights:

1. *Student Participation and Involvement:*

We are quite enthused by the student involvement with the different pedagogical styles employed through the program. Several new styles of teaching including case studies, practical Documents Creation, simulations and use of computers have been employed. We are pleasantly surprised and excited by the response and happy to note the impact on the students.

2. *Use of Audio Visual Media:*

The use of audio visual media in every classroom has been helped us in enhancing the students experience and learning in the class. We find this to be a useful pedagogic tool in sustaining student interest and for explanation of concepts going forward.

3. *Excellent Operational Support from Abbas Khan College Principal, Hod Mam, Management, Staff*

We have had an extremely positive and quick response to various operational issues with regard to the delivery of the Tally program.

We are highly thankful to Principal Dr. Pushpa H. Madam of MS Ramaiah college for Arts, Science& Commerce College & Prof. Roopa Madam HoD Commerce Department & Entire Staff & College Management for providing us an Opportunity, Lab Facility & Overall Support to run the program vey Successfully.

And

We are thankful to Naveen Sir (Lab In-charge) have been very supportive, and which has ensured a smooth program delivery.

We look forward with enthusiasm to delivering the other modules related to Finance software's for the upcoming semesters at your college

With Regards,

Santhosh B.S
(Managing Director)
Royal Tech Head Academy

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