



**A T M E**  
College of Engineering



## Department of Computer Science & Engineering (Data- Science)

### Lesson Plan & Work-done Diary for AY: 2025-26, ODD Semester

Course with Code: Data Visualization Lab (BCDL504)				Faculty: Mrs. Pallavi A R		Semester & Section:5 'A'
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Date of Conduction (DD/MM)	Topics Covered	Remarks if any deviation
1.		Getting Started - Tableau Workspace, Tableau terminologies, basic functionalities.	Chalk & Talk PPT			
2.		Connecting to Data Source – Connecting to Database, Different types of Tableau Joins.	Chalk & Talk PPT			
3.		Creating a View - formatting charts, adding filters, creating calculated fields and defining parameters.	Chalk & Talk PPT			
4.		Dashboard Design and Storytelling – Components of Dashboard, understanding how to place worksheets in Containers, Action filters and its types.	Chalk & Talk PPT			
5.		Introducing Power BI –Components and the flow of work. Power BI Desktop Interface-The Report has five main areas.	Chalk & Talk PPT			
6.		Querying Data from CSV - Query Editor, Connecting the data from the Excel Source, Clean, Transform the data.	Chalk & Talk PPT			
7.		Creating Reports & Visualizations - Different types of charts, Formatting charts with Title, Colours	Chalk & Talk PPT			



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8.		Dashboards - Filters in Power BI, Formatting dashboards.	Chalk & Talk PPT			
9.		Analysis of revenue in sales dataset:	Chalk & Talk PPT			
10.		Analysis of GDP dataset	Chalk & Talk PPT			
11.		Analysis of HR Dataset:	Chalk & Talk PPT			
12.		Analysis of Amazon Prime Dataset:	Chalk & Talk PPT			



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	Activity	Planned	Actual	Remarks
1	No of Labs	12		
2	Assignments/ Quizzes/ Self-study	-		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	2		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	