S.NO	APPLICATION DOMAIN	COMPLEX PROBLEM IDENTIFIED	JUSTIFICATION
1	Education	**Rote Learning:** Emphasizing memorization over critical thinking and problem-solving skills.	**Inquiry-Based Learning:** Incorporate teaching methods that encourage students to ask questions, explore, and solve real-world problems. **Project-Based Learning:** Use projects and hands-on activities to develop students' analytical and problem-solving skills.
2	Data Analysis and Science	**Skipping Exploratory Data Analysis (EDA):** Failing to thoroughly explore and understand the data before applying complex models.	**Conduct EDA:** Use statistical summaries, visualizations (e.g., histograms, scatter plots), and correlation analysis to understand data distributions and relationships. **Identify Patterns and Anomalies:** Look for trends, outliers, and patterns that could influence the analysis.
3	Marketing and Sales	**Undefined or Broad Audience: Failing to identify or narrow down the target audience, leading to generalized**	⯀ **Develop Buyer Personas: Create detailed buyer personas that represent your ideal**

		marketing efforts that may not resonate with anyone.	customers, including demographics, behaviors, and pain points. Segment Your Market: Use market research to segment your audience into distinct groups and tailor marketing strategies to each segment.