

## ***Sentiment analysis on marketing***

**Course name: Artificial intelligence**

**Team name:Proj\_227125\_Team\_1**

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## **Sentiment analysis on marketing**

### **Source definition:**

*Sentiment analysis for marketing involves analysing public sentiment towards a product, brand, or campaign to gain insights into customer opinions and preferences.*

### **Design thinking**

#### **User-Centred Approach:**

*Design thinking puts the user at the center of the product development process. Sentiment analysis in marketing helps identify user sentiments, needs, and pain points, which can be valuable inputs for design thinking.*

#### **Empathy:**

*Design thinking emphasises empathy with users. Sentiment analysis provides data that allows*

*marketers and designers to empathise with customers by understanding their feelings and opinions.*

### **Define Phase:**

*In the design thinking process, the "Define" phase involves clearly defining the problem. Sentiment analysis can help marketers define problems by uncovering negative sentiments or areas where customers are dissatisfied.*

### **Ideation:**

*Sentiment analysis results can inspire ideation in design thinking. Positive sentiments can be used to identify features or aspects of a product that are appreciated by customers, while negative sentiments can drive brainstorming for improvements.*

### **Prototyping:**

*Design thinking encourages rapid prototyping. Sentiment analysis can guide the creation of prototypes by highlighting what aspects of a product or service need enhancement.*

### **Testing and Feedback:**

*Sentiment analysis can be an ongoing process to gather feedback after implementing design changes. It helps evaluate whether design improvements have positively impacted customer sentiment.*

### **Iterative Process:**

*Both sentiment analysis and design thinking promote iteration. Sentiment analysis can be used iteratively to continuously refine products and marketing strategies based on changing customer sentiments.*

### **Conclusion**

*In summary, sentiment analysis is a valuable tool within the design thinking framework, helping businesses to understand and address customer sentiment, which is crucial for creating user-centric solutions in marketing and product development.*