**Day -4:**

**ANN->Artificial Neural Network(structured and unstructured)**

[**)**](https://gadictos.com/wp-content/uploads/2019/05/1_1mpE6fsq5LNxH31xeTWi5w-scaled.jpeg)

**Computer Vision**

**Material sorting: Images(annotated)-> classification**

**Contamination**

**Defect**

**Assembly verification**

**Package**

**Site progress**

**Natural Language Processing:**

**Unstructured Text:**

1. **Sentiment Analysis->**

**Usecase: Customer Feedback Analysis ->**

**2)Text Classification**

**Email-> Spam or ham**

**Named Entity Recognition**

**Machine Translation:**

**Queston Answering System**

**Text Summarization**

**Language Generation**

**Topic Modelling**

**Text Generation**

**Use-cases:**

1. As a product manager, one of the key challenges is ensuring seamless inventory management across retail channels, including stores and regional warehouses. Supplier issues can lead to stockouts, especially for high-demand SKUs during promotions, impacting customer satisfaction and sales. Balancing inventory levels to meet demand without overbuying is essential for maximizing revenue and optimizing resources. How can we address this challenge to enhance product performance and customer experience?
2. As an e-commerce product manager, a big challenge is stopping fraud. We deal with fake documents, fake checks, and sneaky online transactions. Sometimes, even our own staff can be involved. If we don't stop fraud fast, we could break rules, pay more for insurance, and get watched closely by regulators. Bad publicity could make customers and investors lose trust in us. How can we make better tools and plans to catch fraud early and keep our e-commerce site safe and trusted?
3. As a product manager, one big challenge is handling online reviews and social media comments. There are so many of them that our customer service team can't keep up. This means we miss chances to help unhappy customers quickly. Managers in different parts of our company have a hard time seeing problems right away because they don't get feedback fast enough.

How can we make a system to manage reviews better, see how people feel, and help managers fix issues before they become big problems?

1. As a AI product manager, our goal is to make customer support better and faster. Customers contact us for lots of reasons, like booking, changing, or cancelling reservations, asking about prices, or needing help finding pickup/drop-off spots. Sometimes, they have emergencies like trouble using our services. How can we make it easier for our support team to help customers quickly and solve their problems better?

List down the goals:

Investment:

ROI:

AI based Solution: