

# Task 3

## ML Problem Identification

**Marks: 20**

**Time: 15 minutes**

This task is based on your real-world understanding and ability to identify whether a problem can be solved by Machine Learning or not. Identify and fill problems that you feel can be solved with Machine Learning and also mention the difficulty level of solving using Machine Learning, if it can be solved.

**List a set of problems that you think AI/ML can solve in these following domains**

S.No	Healthcare	Difficulty
1.	<b>Natural Language Processing for Medical Records</b> AI systems that can analyze unstructured data in electronic health records (EHRs) to extract important medical information and improve patient care.	Medium

S.No	Education	Difficulty
1.	<b>Personalized Teacher/Teaching Assistant</b> Creating AI-based teaching assistants that adapt to individual student needs and learning paces.	Medium
2.	<b>AI-Enabled Black Board</b> AI that transforms whatever the teacher writes on the board into digital documents and sends them to students.	High
3.	<b>Handwritten Notes to Text (Improvement)</b> Developing better handwriting recognition systems to convert notes into digital text.	High



S.No	Banking	Difficulty
1.	<b>Unified Banking Dashboard</b> An AI system that consolidates all bank accounts, transactions, and credit card bills in one place, offering personalized financial insights and helping users manage their spending more effectively.	High

S.No	E-Commerce	Difficulty
1.	<b>AI-Enabled Shopping Cart</b> A smart shopping cart that assists with finding products, tracking preferences, and making personalized recommendations.	High
2.	<b>Product Locator in Large Stores (Walmart/Costco)</b> An AI tool to help customers quickly locate products in large retail spaces like Walmart or Costco, saving time and improving the shopping experience.	High

S.No	Your Problems	Difficulty
1.	<b>AI Cooking Assistant-</b> An AI assistant that helps users with cooking by offering precise measurements, cooking progress updates, and feedback on whether a dish is prepared properly, possibly using sensor data.	Very High
2.	<b>Safe Delivery Scheduling for Parcels–</b> An AI system for delivery companies that allows customers to choose safer delivery times, reducing the chances of package theft.	Medium



