

**AI = ML + Rules + Decision + Automation**

**Ab AI me focus hota hai:**

- **Input lena**
  - **Decision banana**
  - **User ko output dena**
  - **Thoda “intelligent behavior” dikhana**
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## **EXPLANATION**

- **if-else logic**
- **conditions**
- **decision making**

❖ **Example:**

```
marks = int(input("Enter marks: "))
```

```
if marks >= 90:  
    print("Grade A")  
elif marks >= 60:  
    print("Grade B")  
else:  
    print("Grade C")
```

☞ Ye simple AI behavior hai (decision making).

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✓ Step 2: ML Model ko AI Program banana

**Ab tumhare ML model ko:**

❖ **Example:**

```
age = int(input("Enter age: "))  
salary = int(input("Enter salary: "))
```

```
result = model.predict([[age, 1, salary]])  
print("Prediction:", result)
```

☞ Ab ye AI system ban gaya.

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✓ Step 3: Basic AI Applications banana (VERY IMPORTANT)

Tumhe kam se kam 3 simple AI programs banana chahiye:

◆ *Program 1: Student Performance AI*

- Input: study hours
- Output: marks (ML model)

◆ *Program 2: Purchase Prediction AI*

- Input: age, salary
- Output: yes/no

◆ *Program 3: Rule-Based Chatbot*

- if-else based replies

★ Example:

```
msg = input("You: ")  
  
if "hello" in msg.lower():  
    print("Bot: Hello! How can I help?")  
elif "bye" in msg.lower():  
    print("Bot: Goodbye!")  
else:  
    print("Bot: I am learning...")
```

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✓ Step 4: Mini AI Project (MOST IMPORTANT)

☒ Recommended Mini Project:

**Student Marks Prediction AI**

**Flow:**

User Input → Preprocessing → ML Model → Prediction → Output

- i. Python
- ii. Pandas
- iii). ML mode
- IV). User input