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| A picture containing drawing, stop, room  Description automatically generated | Applied Artificial Intelligence  Practical # 2 | | |
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| **Name** | Ninad Karlekar | **Roll Number** | 22306A1012 |
| **Subject/Course:** | Applied Artificial Intelligence | **Class** | M.Sc. IT – Sem III |
| **Topic** | Chatbot | **Batch** | 1 |
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| **Design a bot using AIML** | | | |
| **DESCRIPTION:- AIML** stands for Artificial Intelligence Modelling Language. AIML is an XML based markup language meant to create artificial intelligent applications. AIML makes it possible to create human interfaces while keeping the implementation simple to program, easy to understand and highly maintainable. This tutorial will teach you the basics of AIML. All the basic components of AIML with suitable examples have been discussed in this tutorial.  **Code:-**  **Open cmd and install pip –**  pip install aiml  pip install python-aiml  **Prac2.py**  import aiml    kernel = aiml.Kernel()  kernel.learn("std-startup.xml")  kernel.respond("load aiml b")    while True:  input\_text = input(">Human: ")  response = kernel.respond(input\_text)  print(">Bot: "+response)  **Basic\_chat.aiml**  <aiml version="1.0.1" encoding="UTF-8">  <!-- basic\_chat.aiml -->    <category>  <pattern>HELLO \*</pattern>  <template>  Well, Hello Ninad!  </template>  </category>    <category>  <pattern>WHAT ARE YOU</pattern>  <template>  I'm a bot, and I'm silly!  </template>  </category>    <category>  <pattern>WHAT DO YOU DO</pattern>  <template>  I'm here to motivate you!  </template>  </category>    <category>  <pattern>WHO AM I</pattern>  <template>  You are a Professional Footballer....  </template>  </category>    </aiml>  **std-startup.xml**  <aiml version="1.0.1" encoding="UTF-8">  <!-- std-startup.xml -->    <!-- Category is an atomic AIML unit -->  <category>    <!-- Pattern to match in user input -->  <!-- If user enters "LOAD AIML B" -->  <pattern>LOAD AIML B</pattern>    <!-- Template is the response to the pattern -->  <!-- This learn an aiml file -->  <template>  <learn>basic\_chat.aiml</learn>  <!-- You can add more aiml files here -->  <!--<learn>more\_aiml.aiml</learn>-->  </template>  </category>  </aiml>  **Output:-** | | | |