

Chatbot for Education Institute Website



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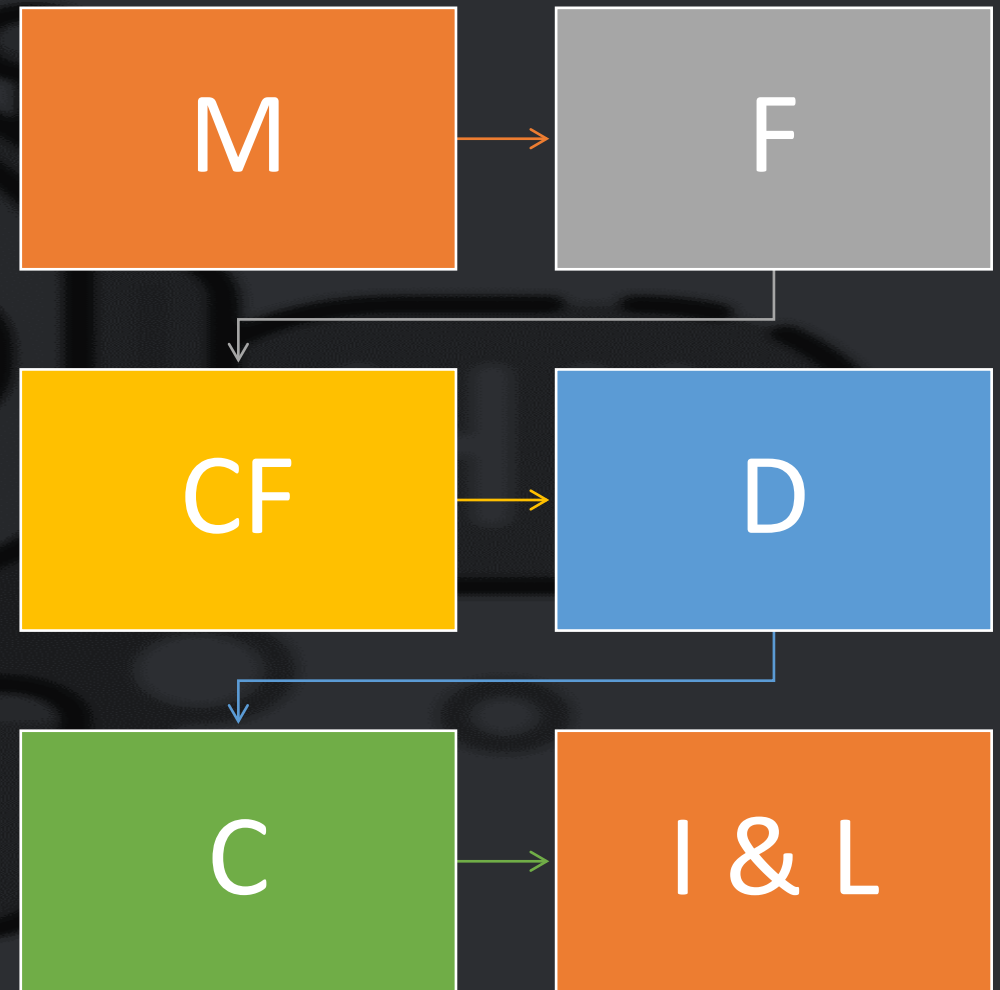
Subject: AI and Data Engineering (CMPE 252) (Spring 2022)

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Content

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Use Case: Educational Website

- Motivation:
 - Experience in education sector
 - Aware about the process and possible automation
 - Considered scenario: Marwadi University

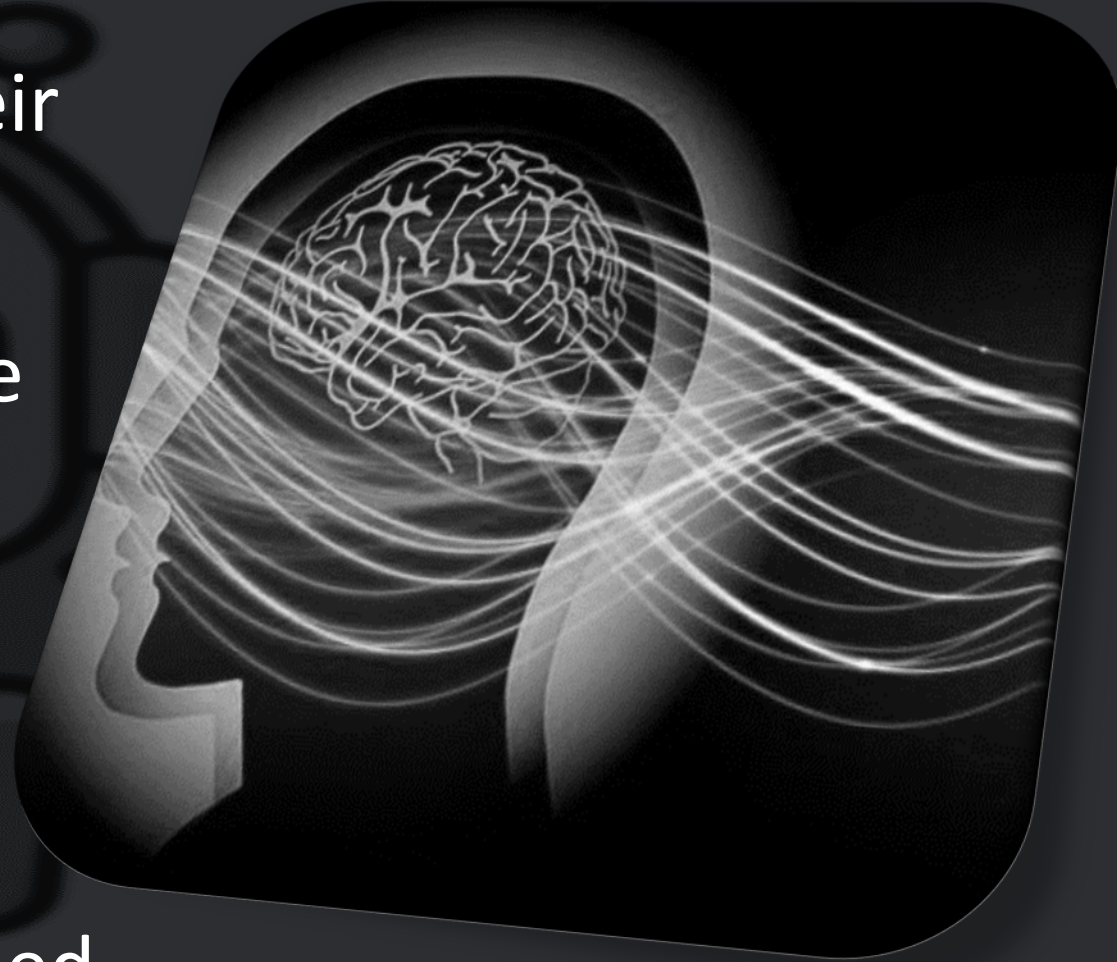


Functionalities Implemented

- Platform: RASA 3.1
- Number of Intents: 28 (764 total examples, average: 27~28)
- Number of Entities/Slots: 13
- Number of Responses: 39 (125 total text, average 3~4)
- Number of Actions: 4 (action.py files, 2- DB, 2-API)
- Number of Stories: 13 (Email-3,Admisssion-3,others)
- Number of API: 2 (weather condition, Learnings)
- Database Integration: SQLITE
- Integrated with Slack ([Mehulkumar Kantaria's Edu Chat Bot](#))

Conversion Flow + Demo

- Case 1:
 - Current students wants to reset their email password
- Case 2:
 - Future students want to know more about university
 - Sharing their details for further communication
- Case 3:
 - Information about University, Placement
 - Wants to talk with staff and fun based learnings



Challenges

- Installation issues
- Specific dependencies of all supporting tools
- Rasa Versions vs examples available on internet
- Forms → Entity, MYSQL → SQLITE, API use cases
- 1st (pure) software based project with multiple integration
- Lots of learnings and Passion++

Insights and Learnings

- How to learn new programming technologies/tools
- Combined use of videos and documentation
- Used API, Data base, Integration of tools 1st time
- My confidence for the upcoming internship work is boosted



INSIGHTS & LEARNINGS



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