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| **Project Title**  **Test Plan**  **Cohort: A**  **Group: 1**  **Group members:**  **ABC 123 (Team leader)**  **XYZ 456** |
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Document Acceptance and Release Notice

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**Glossary**

|  |  |
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| **API** | Application Program Interface |
| **AUT** | Application Under Test |
|  |  |

# Introduction

Our bot ‘Uni Assistant/ Digital Assistant’ designed to serve users on university website <https://www.vit.edu.au> and to test our bot we have followed globally accepted test methodology, AGILE. We have used globally accepted testing levels, UNIT, INTEGRATION, SYSTEM and FINAL testing.

## Scope

In this test plan we will test Functional Requirements

* User interface should be properly integrated with Dialogflow
* Dialogflow should be properly integrated with Webhook
* Dialogflow should detect specified requirement asked by the user and response back with correct information updated on university website

And will ignore all non-functional requirements like

* Network bandwidth
* Speak to text recognition
* Too much delay in response

## Quality Objective

* A pretty looking user interface
* Bot should be able to judge on what TOPIC user is asking info by our pre-trained model at Dialogflow
* All the response from webhook should be successful
* All responses that contain links should be clickable
* All responses contain other options should be in a suggestion chip
* Other than clicking suggestion chip user can ask whatever he wants
* Bot should be intelligent enough to understand all normal human language

## Roles and Responsibilities

Detail description of the Roles and responsibilities of different team members like QA Analyst, Test Manager, Configuration Manager, Developers, Amongst others

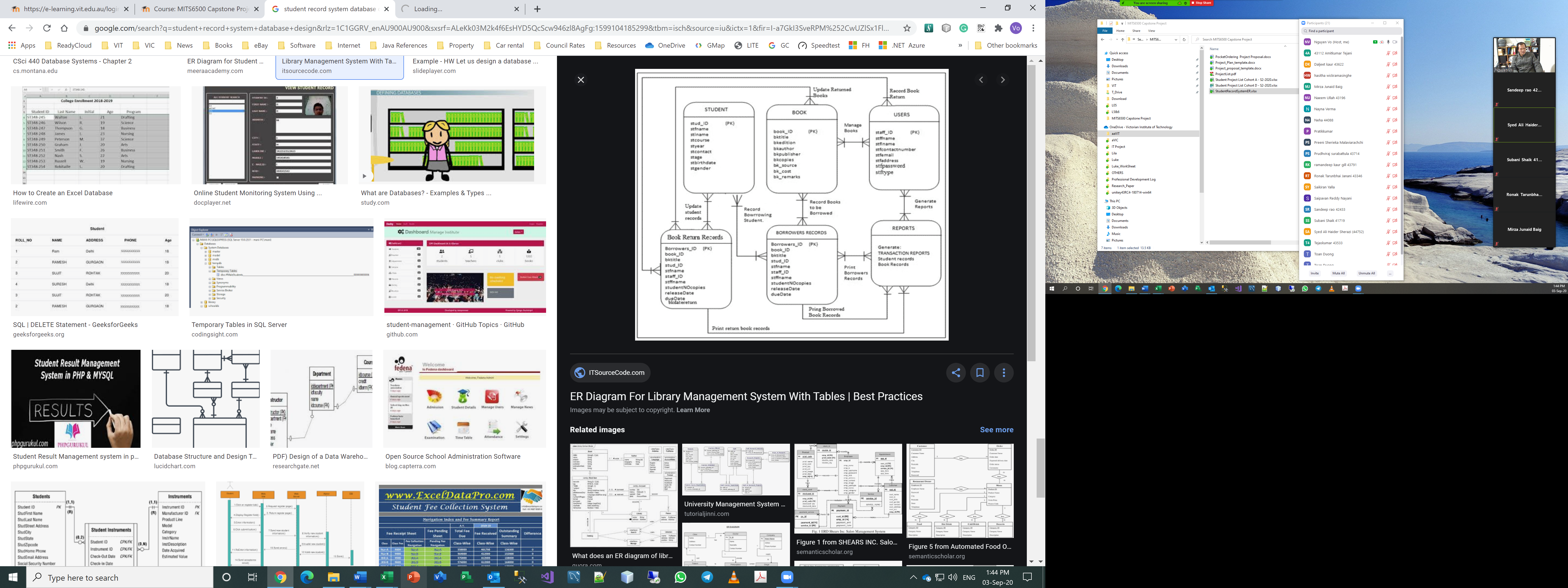


Fig 1. 1 My lecturer.

# Test Methodology

## Overview

We are using AGILE METHODOLOGY to test our bot because

* Bot needs to be tested continuously that it detect right thing user is asking for and should response back with its specified information.
* Deliver value to the customer
* Practice continuous improvement
* Human focused

## Test Levels

Unit Test: To test individual component of bot according to user interaction

Integration Test: To test the connection between user interface with Dialogflow and Dialogflow with webhook

System Test: To test the entire system.

Acceptance Test: To test the final Bot

Diagram

Description automatically generated

Testing strategy diagram.

## Test Completeness

* 100% test coverage
* All Manual Test cases executed
* All open bugs are fixed

# Test Deliverables

## Overview

In this product our Test Artifacts based on

* Test Strategy
* Bug Report

## Test Cases

Table ‑ Test Case Table

| **Test #** | **Description** | **Inputs** | **Expected Output** | **Actual Output** | **Test Result** |
| --- | --- | --- | --- | --- | --- |
| 1 | Welcomes | Hi | Bot welcomes user and ask his name | Bot welcomes user and ask his name | **Passed** |
| 2 | Greets user when entering his/her name (name must be in English and Hindi only) | John | Bot greets user according to their time | Bot greets user according to their time | **Passed** |
| 3 | Ask for course fee | I want to know about the courses fee | Bot give suggestion chips of   * Higher Education – International & Domestic Students * Domestic Students * International Students * Short Courses | Bot give suggestion chips of   * Higher Education – International & Domestic Students * Domestic Students * International Students * Short Courses | **Passed** |
| 4 | Higher Education – International & Domestic Students | what’s for Higher Education-International And Domestic Students?  OR  Click the suggestion Chip | Bot give suggestion chips of   * Master of Information Technology and Systems (MITS) * Master of Business Administration (MBA) * Bachelor of Information Technology and Systems (BITS) | Bot give suggestion chips of   * Master of Information Technology and Systems (MITS) * Master of Business Administration (MBA) * Bachelor of Information Technology and Systems (BITS) | **Passed** |
| 5 | MITS | Click the suggestion Chip  OR  does there is a master's in information and technology for both international and domestic students? | Clickable link  [https://www.vit.edu.au/master-of-information-technology-systems-mits/ S information](https://www.vit.edu.au/master-of-information-technology-systems-mits/%20S%20information) | Clickable link  [https://www.vit.edu.au/master-of-information-technology-systems-mits/ S information](https://www.vit.edu.au/master-of-information-technology-systems-mits/%20S%20information) | **Passed** |
| 6 | MBA | Click the suggestion Chip  OR  please tell me details about the Master of Business Administration | Clickable link <https://www.vit.edu.au/master-of-business-administration-mba/> | Clickable link <https://www.vit.edu.au/master-of-business-administration-mba/> | **Passed** |
| 7 | BITS | Click the suggestion Chip  OR  I want to know about BITS for international and domestics students | Clickable link  <https://www.vit.edu.au/bachelor-of-information-technology-systems/> | Clickable link  <https://www.vit.edu.au/bachelor-of-information-technology-systems/> | **Passed** |
| 8 | Information about Domestic Information | Click the suggestion Chip  OR  let me know about the course fee for domestic students | Clickable link  <https://www.vit.edu.au/full-fee-courses/> | Clickable link  <https://www.vit.edu.au/full-fee-courses/> | **Passed** |
| 9 | Information about International Students | Click the suggestion Chip  OR  what are the courses offering for international students | Bot give suggestion chips of   * Information Technology * Hospitality * English Language Courses (ELICOS) | Bot give suggestion chips of   * Information Technology * Hospitality   English Language Courses (ELICOS) | **Passed** |
| 10 | Information Technology | Click the suggestion Chip  OR  give me a link to a description of information technology | Clickable link  <https://www.vit.edu.au/information-technology/> | Clickable link  <https://www.vit.edu.au/information-technology/> | **Passed** |
| 11 | Hospitality | Click the suggestion Chip  OR  let me know about course fee of hospitality for international students | Clickable link  <https://www.vit.edu.au/hospitality/> | Clickable link  <https://www.vit.edu.au/hospitality/> | **Passed** |
| 12 | English Language Courses (ELICOS) | Click the suggestion Chip  OR  what is the fee for the English language course? | Clickable link  <https://www.vit.edu.au/english-courses-elicos/> | Clickable link  <https://www.vit.edu.au/english-courses-elicos/> | **Passed** |
| 13 | Short Courses | Click the suggestion Chip  OR  can you please help me with short courses in VIT | Bot give suggestion chips of   * Programming * Multimedia * Professional Certification Training IT | Bot give suggestion chips of   * Programming * Multimedia * Professional Certification Training IT | **Passed** |
| 14 | programming | Click the suggestion Chip  OR  Can you please tell me about the programming course at VIT | Clickable link  <https://www.vit.edu.au/programming/> | Clickable link  <https://www.vit.edu.au/programming/> | **Passed** |
| 15 | multimedia | Click the suggestion Chip | Clickable link  <https://www.vit.edu.au/multimedia-courses/> | Clickable link  <https://www.vit.edu.au/multimedia-courses/> | **Passed** |
| 16 | Professional Certification IT | Click the suggestion Chip | Clickable link  <https://www.vit.edu.au/professional-certification-training-it/> | Clickable link  <https://www.vit.edu.au/professional-certification-training-it/> | **Passed** |
| 17 | Download Forms | please give me a link to download all forms | Clickable link  <https://www.vit.edu.au/full-fee-courses/> | Clickable link  <https://www.vit.edu.au/full-fee-courses/> | **Passed** |
| 18 | Student Support |  | Bot give suggestion chips of   * VIT Student Welfare Services * VIT Student Services * VIT Student Complaints * VIT Student Payments * VIT Microsoft Imagine Academy * Mobile Apps (Learning and Support) | Bot give suggestion chips of   * VIT Student Welfare Services * VIT Student Services * VIT Student Complaints * VIT Student Payments * VIT Microsoft Imagine Academy * Mobile Apps (Learning and Support) | **Passed** |
| 19 | VIT Student Welfare Services | Click the suggestion Chip | Clickable link  <https://www.vit.edu.au/vit-welfare-services/> | Clickable link  <https://www.vit.edu.au/vit-welfare-services/> | **Passed** |
| 20 | VIT Student Services | Click the suggestion Chip | Clickable link  <https://www.vit.edu.au/vit-student-services/> | Clickable link  <https://www.vit.edu.au/vit-student-services/> | **Passed** |
| 21 | VIT Student Complaints | Click the suggestion Chip | Clickable link  [https://www.vit.edu.au/wp-content/uploads/2018/06/Complaints and Appeals Policy.pdf](https://www.vit.edu.au/wp-content/uploads/2018/06/Complaints%20and%20Appeals%20Policy.pdf) | Clickable link  [https://www.vit.edu.au/wp-content/uploads/2018/06/Complaints and Appeals Policy.pdf](https://www.vit.edu.au/wp-content/uploads/2018/06/Complaints%20and%20Appeals%20Policy.pdf) | **Passed** |
| 22 | Student Payments | Click the suggestion Chip | Clickable link  <https://www.vit.edu.au/international-students/> | Clickable link  <https://www.vit.edu.au/international-students/> | **Passed** |
| 23 | Microsoft Imagine Academy | Click the suggestion Chip | Clickable link  <https://www.vit.edu.au/vit-microsoft-academy/> | Clickable link  <https://www.vit.edu.au/vit-microsoft-academy/> | **Passed** |
| 24 | Mobile Apps | Click the suggestion Chip | Clickable link  <https://www.vit.edu.au/student-support/mobile-apps/> | Clickable link  <https://www.vit.edu.au/student-support/mobile-apps/> | **Passed** |
| 25 | Login | from where I do login?  OR  LMS login  OR something similar to it | Clickable link  <https://e-learning.vit.edu.au/login/login_sso.php> | Clickable link  <https://e-learning.vit.edu.au/login/login_sso.php> | **Passed** |
| 26 | When user types something that is not related | Tell me my Facebook id | I didn't get that. Can you say it again? OR  I missed what you said. What was that? OR something similar to it | I didn't get that. Can you say it again? OR  I missed what you said. What was that? OR something similar to it | **Passed** |
| 27 | Thank you | Thank you or something similar | Bot give his pleasure | Bot give his pleasure | **Passed** |

# Resources and Environment Needs

## Testing Tools

We had used JIRA for requirement gathering, issue tracking and product management.

## Test Cases

A system with minimum of 4GB Ram and C drive of capacity 50GB plus is required.

# References

[1] IEEE format for reference