

# **SDLC Documentation for Travel Arrangement Bot Project**

## • **Stage 1: Planning**

- 1) The Digital Marketing Bot must be capable of logging into a designated travel planning platform and perform certain specific operations.
- 2) The details of operations to be performed by the bot must be provided by the User via an Excel document within a set specific format.
- 3) Operations to perform can (but are not limited to) include booking flights, booking hotels, planning a holiday package, and much more.

## • **Stage 2: Analysis**

- 1) The platform chosen for analysis and design is MakeMyTrip.
- 2) A regular MakeMyTrip account will be used for its more flexibility and versatility in features.
- 3) A similar method can be applied to any other social media platform similar to MakeMyTrip and similar features can be added to it.
- 4) Major focus will be given on data extraction from the Excel file and using it to perform specific bot operations.

## • **Stage 3: Design**

- 1) The design of such bot will be done in the G1ANT Studio RPA software. Since it has a user-friendly interface and it is significantly faster in operation.
- 2) Dedicated addon for the MakeMyTrip platform will be required to be built which includes separate commands for every operation that needs to be performed by the bot.
- 3) The Addon for G1ANT Studio needs to be created using the .NET framework, in the Microsoft Visual Studio.
- 4) Commands created in the G1ANT.Addon.Facebook are as follows:

Name	Description
mmt.bookflight	Book flight.
mmt.bookhotel	Book hotels on MMT.
mmt.login	Initiate the login process.
mmt.planholiday	Plan Holiday on MMT.

## • **Stage 4: Deployment**

- 1) To extract data from the input, excel file, empty lists were created in the G1ANT Bot to store information for each respective column in the designated list. This was all done by using the xlsx addon that is already present in the studio.
- 2) Using commands from the custom-made MakeMyTrip addon and a simple For loop strategy, a bot program was written in the G1ANT Programming Language.

- **Stage 5: Testing**

- 1) Testing was done on the G1ANT Studio Developer version software.
- 2) Chrome browser was used to test the program written in the RPA Studio.
- 3) A dummy MakeMyTrip Account was used in the input file to perform the test operations.
- 4) All the operations were tested individually and in collaboration with other operations.