

GOVERNMENT OF NCT OF DELHI

BHAI PARMANAND INSTITUTE OF BUSINESS STUDIES

Opp. Madhuban Colony: Shakarpur Extn. Delhi-110092

Email: bpibs.delhi@nic.in Phone: 22543891, 22017393 Fax: 22016134

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Name of Student : **Mr. Deepak Sharma**
University Roll. No. : **02611404419**
Title of Project : **Collaborative API Software : AlterAPI**
Project Development Centre : Axeno Consulting Pvt Ltd, Noida Sec - 136
Name of Project Guide : Mr. Shrikant Patel
External Guide : Mr. Prashant Sharma

Summary

Project titled “**Collaborative API Software : Alter-API**” *provides a collaborative environment for developers to build, test, document and publish APIs with ease.*

Mostly every application uses API for communication between user and database. APIs are an important part that need to be maintained , tested and documented. Now this project comes into play, the project is based on API development . It provides the user a platform they can build, test, document and collaborate with the team.

I picked this project because as a developer, I faced some challenges while developing an application. Integrating it with APIs, but I didn't know how to simulate them , test them and much more.

This project was designed to make developers' lives easier and efficient by providing them with software for testing, building and documenting APIs which are the

backbone of any application. Providing the collaborative feature to the app took it to the next level. It is not just limited to individual users, but to a whole team interacting with each other and developing bug free APIs. It also helps in understanding how API works , with that information developers can integrate into the front-end of the app.

The purpose of this project is to provide the developer a convenient , efficient tool for smooth and fast API development, test and publish.

- a. It is an API platform for building and testing APIs. It simplifies each step of the API lifecycle and streamlines collaboration so you can create better APIs—faster.
- b. It gives the ability to create different workspaces for different projects.
- c. It helps in documenting your APIs that can be shared and downloaded among the team.
- d. Quickly and easily requests directly within Alter-API. Automate manual tests and Communicate the expected behaviour of an API by simulating endpoints.
- e. Users can create their own API repositories and invited users can comment on them for raising issues.

Findings :

Automation of the entire system improves efficiency.

It provides a friendly graphical user interface which proves to be better when compared to the existing system.

It gives appropriate access to the authorised users depending on their permissions.

It effectively overcomes the delay in communications.

Updating information becomes so easy.

This Project uses different methodologies to complete it. Using Kanban Boards helps in sorting out my priorities. Starting with System Analysis, Designing , Coding then testing. I did research before diving into the technical part, I listed out the necessary technologies to use in the project as it uses a real time database and much more.

“Collaborative API Software : AlterAPI” is a convenient, efficient, free tool for smooth and fast API development.