

Manipal Academy of Higher Education

**Impressions@MAHE**

---

Manipal Institute of Technology, Manipal  
Theses and Dissertations

MAHE Student Work

---

Summer 7-1-2020

## Test Central

Kushagra jain

Follow this and additional works at: <https://impressions.manipal.edu/mit>



Part of the [Computer Sciences Commons](#)

---

# Test Central

## ABSTRACT

Ariba has a ton of clients all around the world and a great deal of transactions happens progressively day by day. The clients extend from suppliers to purchasers. Suppliers need to execute a ton of transactions on their end and same goes for purchasers also. These Transactions are not like purchasing an item on Amazon. Amount related with these Transactions are in trillions, so they must be taken care of with exactness and we need to deal with client's protection also. Presently clients need to test the entirety of the transactions too to check everything is according to the arrangement thus they invest a ton of energy in testing transactions end to end. The tool we are creating i.e. Test Central will assist client with reducing the Ariba usage time.

We followed the Agile model of development so that at all stages the code is in presentable and working state and improvements are done based on real world scenarios. The Team was divided for front end and backend. We received the design mock-ups on a website and started the development. API's were created and we started testing them by calling them and receiving the result. Methodology we adopt is SCRUM, we daily had scrum meets and discuss what is the progress and what is to be done. We have daily goals, weekly goals and monthly goals. The frontend is developed in Angular with its framework combining Html, CSS and Typescript A lot of UI components were directly taken from the classes defined by SAP Fiori and that is used to keep uniformity across SAP software. Apart from that Node JS was used for the backend servers and GRPC is being used for remote procedure calls.

Customer spends lot of time in testing transactions end to end. This tool will help customer to reduce the Ariba implementation time. And If the Customer do not have any SAP resources in-house to test the integrations, it would be a nightmare for a customer to test the transactions end to end and go live. This tool will provide a list of test cases where customer need to enter minimum details so that he can test the transactions end to end with basic knowledge on SAP. [INFORMATION SYSTEMS]: Web Applications- Electronic Commerce- E-Commerce Infrastructure, Electronic Data Interchange, Online Shopping; Web data description languages- Markup languages; Web services- GRPC Web Services.

**KUSHAGRA JAIN**

**Reg. No. 160911312**

**B.Tech(Information Technology)**

**Guide: Dr.Manohara Pai M. M**