Contributions

Project Title: RPC Implementation

Team Members:

S. No.	Name	Roll Number	Contact Number	Contribution
1	Abdul Ahad Siddiqui	IEC2017023	8005153424	25%
2	Sagar Rajput	IEC2017018	7355183638	25%
3	Adesh Shukla	IEC2017088	8299480350	25%
4	Ankit Gangwar	IEC2017504	7017033289	25%

Group Leader:Adesh Shukla

Date of Submission: 10th May 2020

Name: Adesh Shukla(IEC2017088)

Contribution (in %): 25%

List of contributions made:

1) Contributed in the design part of architecture mentioned in project report
2) Implemented the functionality for Registering the service in our Registry Service Directory with required information from a server
3) Implemented the function for storing and accessing the server's information in a Cloud-Based MongoDB Database
4) Implemented the functionality of Load Balancer for handling the Traffic of client's request

Name: Abdul Ahad(IEC201023)

Contribution (in %): 25%

List of contributions made:

1) Contributed in the Design of the server part of the project.
2) Implemented registerRPC functionality for registering the server's information to Registry service
3) Implemented database using MongoDB for storing the data
4) Implemented the functions marshall(packing) and unmarshall(Unpacking) for retrieving/sending arguments/data for the **Server side**
5) Added the functionality of adding new services to the servers

Name: Ankit Gangwar(IEC2017504)

Contribution (in %): 25%

List of contributions made:

1) Implemented the Marshaling - packing of procedure and arguments from **Client side** and Unmarshaling- unpacking of return values which are obtained from **Server side.**
2) Getting **Client IP addres**s in stub and sending it to the server along with our message.
3) Implemented the functions to fetch **Server ip address** as well as the **Server port.**
4) Contributed in the Design part of Architecture as mentioned in the project report.

Name: Sagar Rajput(IEC2017018)

Contribution (in %): 25%

List of contributions made:

1) Implemented the functionality of calling the **Client stub** with pushing the parameters to it.
2) Implemented the functionality of returning the result of the procedure call back to the client.
3) Implemented the function for parsing the file containing procedure call/function call and converting it to **XDR(External Data Representation).**

4) Contributed in the Design part of architecture as mentioned in the project report.