

Contributions

Project Title: RPC Implementation

Team Members:

S. No.	Name	Roll Number	Contact Number	Contribution
1	Shivansh Srivastava	IEC2017054	7052563336	25%
2	Abdul Ahad	IEC2017023	8005153424	25%
3	Adesh Shukla	IEC2017088	8299480350	25%
4	Ankit Gangwar	IEC2017504	7017033289	25%

Group Leader:Shivansh Srivastava

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: Shivansh Srivastava(IEC201054)

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 address** 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: Abdul Ahad Siddiqui(IEC2017023)

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.

