

# **Deliverable 1**

## **COEN 6312 Model Driven Software Engineering**

**Name of the Team:** Embridge

**Mission/Vision of the Project:**

To provide an online platform for all the employees within a company and create a discussion environment that aids in their project work.

**Description of each Team Member:**

1. Ishaan Sharma (Id: 40053363)  
Email: [ishaansharma61@gmail.com](mailto:ishaansharma61@gmail.com)  
Program: Electrical and Computer Engineering (M.Eng)  
Background: Working as an embedded software engineer using C. Interested in implementing software engineering technology in the embedded software design.
2. Kishor Tare (Id: 40035779)  
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Background: Professional experience as a Business Analyst specialized in SAP BI and JAVA development.
3. Nidhi Patel (Id: 40043592)  
Email: [patelnidhi114@gmail.com](mailto:patelnidhi114@gmail.com)  
Program: Electrical and Computer Engineering (M.Eng)  
Background: Experienced as a Graduate Engineer Trainee(Electrical Engineer) and interested in Machine Learning/AI and BigData using Python and Java.
4. Rashmi Narayan (Id: 40048878)  
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Background: Experienced as an Associate Software Engineer, experienced in PHP and Python.
5. Yassine Jebbar (Id: 40071278)  
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Program: Electrical and computer Engineering (MASc)  
Background: Software Engineering Degree.

## **EMBRIDGE**

Every company requires a common platform for all the employees to discuss their progress or to make announcements. Providing an online service for this purpose is highly advantageous since it eliminates the need to meet in person unless it is necessary. This system also achieves quick solutions for problems since people can respond instantly from wherever they are. There are many software available currently that implement these features such as Slack, Skype business and email.

Our motive is to build a software web application that allows all the employees to communicate with each other. Our application is named "Embridge" as it bridges the gap between all the employees in an organization. Embridge also allows the Manager to create groups for the project teams to discuss issues or provide information only to the employees involved. Additionally, one employee can tag other employees in order to notify about the information shared. Employees will be able to like/dislike and comment in the group. Employees can have additional features to send/delete Employee's Friend Request and communicate using personal message.

Announcements for the entire company can be made in the common content-based webpage which can be accessed by all the members, whereas announcement for a particular project team can be made within their group. This will be confidential and cannot be accessed by other teams. Members are allowed to like or comment on the posted activities so that they can instantly respond with their feedbacks. Additionally, individual communications are also possible between the employees to discuss issues only with the concerned person. The employees can also attach documents, images, videos, gifs. This system will have various classes such as Employees, Managers, Divisions, Groups etc.

The technologies that shall be adopted are as follows:

Programming language: Java 8

Web framework: Spring boot MVC

Front-end: HTML, CSS, JavaScript

Database: H2 (Embedded support)

UML: Class Diagram, Use Case Diagram, State Diagram