



COLLEGE CODE : 8207

COLLEGE NAME : As-salam college of engineering & technology

DEPARTMENT : BE.cse

STUDENT NM-ID : CAD1F561E731681BD594959D7FE60460  
87EF5A85BBEB61D8976425EBA872DA33  
F390F428FD893C4BE424ACBA32070897  
200B4070228446E966344A664E859F31  
436826D61FA7F1DBC724561838742D81

ROLL NO : 820723104010  
820723104011  
820723104012  
820723104017  
820723104303

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Completed the project named as Phase\_\_

TECHNOLOGY PROJECT NAME : NJ REAL TIME CHAT APPLICATION

SUBMITTED BY,

NAME	MOBILE NO
KEERTHIKA.V	8681988168
KALAIRAGINI.A	9087414409
MALARVIZHI.S	7806994345
PRAMI.A	6385794773
KIRUTHIGA.R	6382926028



# Enhancements & Deployment



## Project: Node.js Real-Time Chat Application



### Input and Output

#### Input 1:

User 1 sends a message

```
Hello, how are you?
```

#### User 2 replies

```
I'm good! What about you?
```

## Output 1:

Displayed on both users' screens

```
User1: Hello, how are you?  
User2: I'm good! What about you?
```

## Input 2:

User 2 starts typing a message

## Output 2:

Typing indicator appears

```
User2 is typing...
```

### Input 3:

User 1 sends an image or file (e.g.,  
"project.png")

### Output 3:

File shared successfully

```
User1 sent a file: project.png
```

### Input 4:

New user joins the chat room

### Output 4:

System message displayed



User3 has joined the chat.

## Input 5:

User closes the chat or goes offline

## Output 5:

System message displayed

User2 has **left** the chat.

## System message displayed

User2 has **left** the chat.

## ✅ Final Output Example (Chat Window View):

User1: Hello, how are you?  
User2: I'm good! What about you?  
User2 **is** typing...  
User1 sent a file: project.png  
User3 has joined the chat.  
User2 has left the chat.

**GitHub link:**

**<https://github.com/pramip05-cloud/NJ-REAL-TIME-CHAT-APPLICATION-.git>**