

## OnAir : The Next Gen Social Media

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### Abstract:

Since the current generation is the one that is developing at the fastest rate, the services now offered by social media platforms are insufficient because there is a strong need for new features and an improved version of the software that is currently available. For instance, there is a need for improvement in the file and document management, messaging, and application user interfaces. This lack of features, functionality, and usability aspects sparked the idea to develop an application to address all of these problems at once. This article covers strategies for using Social Media Collaborative Work (SMCW) systems and suggests a new classification for SMCW systems. Facebook, Instagram, and Twitter are examples of popular social media platforms that have evolved from computer supported collective work systems. The various drawbacks of computer supported joint work may be overcome when collective work undergoes a renaissance that we are currently witnessing. Large-scale exchanges on social media also show how human beings can be motivated to work together.

*Keywords* — social media, sns, social network ,social media apps .social media platform,

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### I. INTRODUCTION

the current generation is the one that is developing at the fastest rate, the services now offered by social media platforms are insufficient because there is a strong need for new features and an improved version of the software that is currently available[4].For instance, there is a need for improvement in the media sharing, messaging, and application user

interfaces.[6][7] This lack of features, simplicity, and usability aspects sparked the idea to develop an application to address all of these problems at once. Facebook, Instagram, and Twitter are examples of popular social media platforms that have evolved from computer supported collective work systems.Large-scale exchanges on social media also show how human beings can be motivated to work together.

## II. LITERATURE REVIEW

A social platform can be developed using a variety of methods. The platforms used to develop this application include Flutter and Firebase, together with a flexible framework for creating data-driven content solutions.

**Flutter:** With Google's Flutter UI toolkit, developers can create stunning, responsive, and high-performance mobile applications for iOS, Android, and the web using a single codebase.[2][3]

**Firebase:** It is a platform for creating mobile and online applications. It provides a number of tools and services that aid in the development of secure, scalable, and high-quality applications.[1]

**Instagram:** One of the main attractive things about Instagram is the ability to explore different posts uploaded by different people. It broadens the horizon for content consumption and interactivity with the application functionality.

**WhatsApp:** WhatsApp was developed and deployed in year 2009 and since then people have used this app for communication. Therefore people have grown familiar and attached to the chatting interface of WhatsApp.

**Telegram:** This application has recently gained interest due to the excellent storage management and file sharing mechanism that creates different directories to download files and allows you to choose whether you want to import that file to main download directory. It allows us to free memory by deleting files based on the type of the file within the application itself.

**Shareit:** It was one of the most used apps for sharing files and messages but soon lost popularity and user base due to the lack of privacy, distance communication limitation and the fact that the scope of functionality was too wide to focus on a single use case scenario.

## III. METHODOLOGY

Before using any of the functions of the program, the user who is visiting the site for the first time must first register an account. There are three parts to creating an account. The user must fill out the login information, which is covered in the first part. Email, a password, and password confirmation fall under this category. Information about who you are, such as your name, location, and gender, is covered in the second part. Information on the users' likes and dislikes, including interests and activities, is covered in the final part. The ability to add and remove friends is the most crucial function. Making friends on our social networking site is a fairly simple process. As an illustration, user a could perform a search for user b, and then after clicking on user b's profile, send friend requests to user b. The opportunity to talk with pals in real time is one of the benefits of having friends

The user can upload images of his choosing, see photos that other users have submitted, and communicate with other users by leaving comments and like their photos. Pictures' quality is maintained, and there is no degradation of image quality. Users may form groups of users to chat with and include emojis and other stickers in their messages. Users can also talk with many persons at once.

## IV. RESULT AND DISCUSSION

### 1) Post Algorithm

Every social media programme is unique due to the various algorithms used at various scales and in various sections. Our application also uses an algorithm that loads recently published, unreacted to posts in feeds and notifies users when new posts are made to their feeds.

The following are steps of post algorithm explained in simple steps

1. Check for any request to upload any post .
2. If yes, store the media in the database along with its meta data
3. Create a list of the users to whom the post should be visible
4. Load the post in feed stack of the users
5. If post is reacted by the users deallocate the post from the stack and load the new posts
6. If user interacts with the post by liking or commenting, reflect the changes in the meta data of post and store in database
7. Load the number of likes and comments to user who posted the post

## V. RESULT AND DISCUSSION

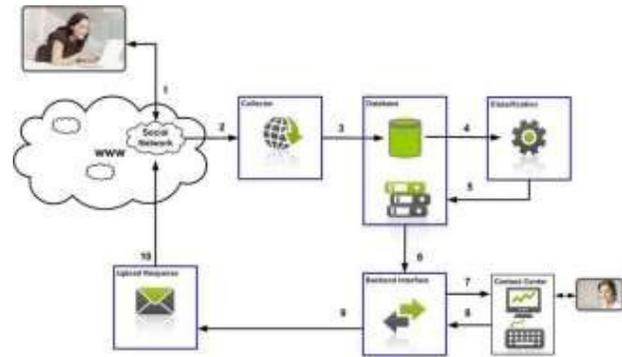
We all want to make as many new friends as we can. The benefit of social media is that it helps us stay in touch with our loved ones. Sharing your life updates on social media is a great idea. Any type of emotion can be simply expressed here. However, you don't have to be afraid to express yourself on social media. Social media can also be used to provide information about hot topics. On the online platforms, you can learn and express your thoughts to others. You gain an understanding of their skill set by forming new connections, which aids in your learning. Thus, meeting new people aids in the development of our total personalities.

But the applications present does not contain the important features needed which limit your interaction.[6]

Features like:

1. Message Scheduling
2. Do-Not-Disturb Mode
3. Self-Destructing Messages
4. Leave Group -without Announcing It
5. Improve Group Features and Admin Controls
6. Send Uncompressed Photos and Videos

## VI. SIMULATION RESULTS



## VII. CONCLUSION AND FUTURE WORK

The lifestyle of the present generation has undergone tremendous change and will continue to do so as new trends emerge periodically. Our platforms right now aren't developing fast enough to keep up with rapidly shifting trends. Social media sites will face increasing pressure from users. Existing platforms require arduous maintenance because they are used all over the world. Moreover, these platforms' R&D will cost millions of dollars. The reason the current methods are outdated is because social media platforms were created exclusively for communication in the previous decade, but today they are utilised for a wide variety of other purposes.

Given the frequent emergence of new trends, the way of life of the current generation has experienced significant change and will continue to do so. Now, our platforms aren't evolving quickly enough to stay up with swiftly changing trends. Social media platforms will come under more and more user pressure.

Current platforms need constant maintenance because they are in use worldwide. Also, the R&D for these systems will cost millions of dollars. Because social media platforms were developed specifically for communication in the previous

decade, but are now used for a wide range of other reasons, the present approaches are out of date.

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