iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 8 **Issue:** VI **Month of publication:** June 2020

DOI: http://doi.org/10.22214/ijraset.2020.6386

www.ijraset.com

Call: 08813907089 | E-mail ID: ijraset@gmail.com

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
Volume 8 Issue VI June 2020- Available at www.ijraset.com

Organizing Meeting inside the Company

Mrs. P. Bhavani[1], S. Swathi[2], R. Subasri[3], K. Thamizharasi[4]
[1,2,3,4]*Department of Computer Science and Engineering, Sri Manakula vinayagar engineering college*

Abstract: ***Meeting plays a vital role in software world. So organizing the meeting is the important role of the team leader .Arranging the meeting and reminding the members in the organization is tedious job for the team leader. Hence to make it easier we have created a bot to communicate and reminding the notification about the meeting held in the company. Inviting and adding the person in the meeting are send the through the email. While the meeting is on process the induivals can also send their documents and videos to their personal mail to clarify their doubts. End to end conversation also available in this go to meeting. We can record the meeting held and at the end of the meeting and we can able to download the record for further clearance. We have created this in the form of bot in order to provide good user experience.***
Keywords: deluge language, cliq framework, Bot

I. INTRODUCTION

In current scenario all the industry have to undergo meeting. Scheduling meeting to everyone working in the organization in the induivals manner is a tedious job to the team leader. By scheduling meeting and sending the messages to the induivals one will take more time consumption and then it will not seems to be nice in an organization . so by giving the information about the meeting to all the employees working in the office or an organization making a framework that containing adding the meeting scheduled by the team lead and then if there any changes in the meeting it is also changed and notified to all the employees present there, by using this go to meeting application the industry can save their time by sending the notification about the meeting arrangements to all of them at the same time by using the cliq framework.

Cliq is the instant messaging application that is used to work like the bot by using artificial intelligence technology. It will use to communicate with the organization and then it as many features like video calling, audio calling, file sharing etc. Bot is created to get the information and if there is any query rises it will make you clear by giving the relevant answer you need. Hence it is created using a technology called artificial intelligence. Ai is used to interact with the human queries and clear those queries.

During the meeting held if there is any queries raised in personnel they can make a conversation with their induivals and they can share the documents or presentation required to clarify their doubts.

Hence it also help to make an end to end conversation. After the meeting is finished they can able to download the file or documents for their further classification. Suddenly if there is any problem in scheduled meeting then it can be rescheduled and the notification can send to the employees.

Hence meeting is the major part involved in the organization and then it reduces the time consumption and then bring for professional between the employees and the team leader. They can make a better conversation and they can clear their doubts in the meeting. Scheduled meeting are notified to the user through their mail. By using the deluge language it can be done very effectively and all the organization can access the cliq framework to create a better interaction with their employees.

II. ARTIFICIAL INTELLIGENCE AND CLIQ

Artificial intelligent is used to mimic like a humans and without human intervention it will use to train the machines and then it will give us more efficiency. The machines can easily solve the task given by the user experienced and then from simpler task to complex one. It reduces the error produced in the manual process. By using trained robot or machine the task generated are solved easily.

Likewise bot is also made up of artificial intelligent to interact with the user and it will solve the queries asked by the user. Then cliq is the framework used to collaborate the team members in a single team and integrate many external methods like video call, audio call, etc. Then it can send the notification the employees in the team regarding meeting arrangement. For creating this framework deluge language is used to bring it effective manner. Deluge is one of the online scripting language that is used to add some logics in the application and then make the application more effective and strong.

©IJRASET: All Rights are Reserved

III. LITERATURE SURVEY

[1] Meeting is an important form of communication and coordination of the activities of the team. Meeting contains the huge amount of valuable information and data which is not been documented. Thus, recording the informal information of the past decade. Mostly capturing the information is through the note taking which is the very tedious job it may not able to cover everything. The benefits of having the meeting records will result in the clarification of doubts in the future. So creating the technology to capture or record the meeting automatically will be very efficient to follow the meeting.

It is used to record the meeting in the form of audio or video. While recording in this format there should be no interaction hen it is started. The drawback in this is the recordings does not provide the structural information and sequential. All the team members will not actively participate in the whole meeting, by asking the content of the meeting to colleague will not have the information there will be some loss. So by recording the meeting will help to solve the problem.

Meetings are often centred around the organization that people are working with some new technology and others such **as** brainstorms, sketches, models, designs, code, web pages, and documentation. The artifacts can be viewed and modified during the meeting. Artifacts includes plans, schedules, decision and issues. It is also used to record the items outside the meeting. The outcome of every meeting is the lists of action items and decisions made. It helps to open, create, edit and close the objects. With that there are many other interactions.

Domain specific artifacts has the dis advantage is that most of the tools which manipulates the artifacts are not used for the synchronous fashion. Common meeting types involves various artifacts and interactions. Time space is considered as the web portal to the team work. It is used to provide the shared workspace and it allows to share the work and artifacts. It is used to maintain the collaboration of work for long period. It is used to integrate synchronous team interaction. The synchronous component of Time space captures audio, video, and meeting artifacts.

After the scheduled meeting is finished, the meeting documents or the related records are automatically available on the server for retrieval. Meeting viewer component can be used to view and playback these meetings and integrates the meeting info based upon the time. Then the notification of the scheduled meeting information is displayed on a tabbed panes.

[2]Development of the successful software. The elements of the meeting like requirements, design, and implementation need to be discussed with all the team members or with particular member. Meeting and communication are different. In meeting huge amount of information is shared. Meeting is the form of internal collaboration and communication. Communication will be more effective in the development process. There is no centre point for the communication during the progress of the project.

For the successful project the key component is communication. If the communication of the person is not reached properly to everyone then it will be misunderstood or if the process is not implemented successfully. So in order to communicate with everyone properly then meeting is the good mediums to reach all the team members. Meeting will take very less time transfer lot of information. Email, phone and chat will not able to transfer lot of information.

It concentrates on both communication intensities and the communication channels. Communication differs from collocated and distributed teams. The variations are recorded using social network. It examines the relationship between various parameters like delay, communication, organisation and also distance between all the team members. They will undergo quantitative and qualitative research application.

FLOW method for testing and analysing the information flow in development team and along with the metric of FLOW distance for measuring indirections in information sharing. According to the no of team members and structure are analysed using FLOW centralization which are all common in social network. It is very effectively used to identify the informal information that can flow actively between project holders. They formal communication artifacts such as regular face-to-face meetings are important to connect the team member effectively, but other activities and processes that take place outside of this formal process are not less important.

In order to visualize, analyse and improve the flow of information to detect lacks in information flow and provide ideas and suggestions for improvement. FLOW distance describes the weighted indirections between the source and target flow. It is an indirect measure of collaboration of the team. If the team is distinct or different then communicates in an indirect way. So it shows that it does not collaborate effectively. As the result flow of information will not be sufficient.

Data set consisting of communication behaviour, the number and durations of meetings. Changes in the customer requirements which have not been shared with the whole team which will become the worst case. FLOW distance decreases with the increasing meeting time. The more duration the team members spend in meetings, the less distant they use to feel from each other. While the duration of meetings does not change significantly over time, the number of meetings decreases. In total, the team communicates less at project end than at project start.

©IJRASET: All Rights are Reserved

.[3] Chabot is the good mediator to communicate and easy way of approach to the client and the server. In this paper the bot creates b using voice recognition and then it does most efficient communication with the client and the web server. In this bot they have used black box approach for communication. And then the web browser uses the web server uses the direct communication with the client. This is the basic thing done by using xml, java platform.

Web bot are used to communicate with the client and clear their queries directly by accessing the other things from the web server. It will provide us a best enjoyable way of communication. Then the gradient is not about to know the statement is correct or incorrect statement but we need to learn and then the knowledge base should be very clear .hence in this bot the features like voice recognition is added. In the online Chabot system the process must be very simple and then it connected with the client server system. Then the input voice is processed and it is required for the further clarification. In producing input voice it has two process they are capturing and analyzing the input signal. It first capture the voice input by the user and then signal is checked. And this process allow the server to generate the response to the user in the faster manner.

In this system architecture there are three components involved like client, server, and then content acquisition. Black box testing avoids the client to interact with the inner working system and then white box testing allows client to interact with the distributed environment. All messages from the server are packed in the form of xml.

The client sent the voice input to the server and the messages are sent via the soap and it moves to the chat module where it can receive all the queries of the client and then it uses the data repository. The data repository helps the server to increase the content retrieval model. In this approach the admin will sent the content to the web content they will the related data and given to the client in the text based manner. In this approach java is the language used mainly and then the applet is embedded by html. The applet needs a number of library functions for enabling the voice inputs from client side. The signed libraries are also kept on the hosted website same location where the applet mentioned. When the applet launches inside the web browser, a loading sequence streams the launch of all the inbuilt library functions.

In this application there are some components included mainly for the speech method like front-end method decoder, and Language modeling. The front-end used to get the input voice and then process it and the it collects the details of the voice input. The language and acoustic model is used to translate from a standard language using a dictionary and construction of words located in a look-up table .A manager who searching for the input voice located in the decoder then it decodes the voice input given by the client then uses the attributes and LUT to decode the input voice inputed by the client into a result set. From the front-end, the user can activate the configure manager, loading all components stored in XML format.

Hence this combination of including voice input and voice output will produce the best result to the client and then the next step requires internet based including mobile or thin client system requires. The use of this distributed frame work will increase in throughput and the number of users it can handle. By concluding this bot is the most important way of communication way to clear the doubts raised by the client.

[4] Messaging service on mail, instant messaging, and short message is most important application. Some messaging system was not able to communicate with other. Here we represent interaction architecture of message system in diverse environment. By applying different messaging system easily integrated. Messaging service is broadly deployed in internet and personal communication system. Generally people receive and send emails, usage of short message service and multimedia message and grows in several ways. Proprietary Instant messaging system which offers real time text communication. Inspite of IM service they offer subscribers to change the messages, to friends and families via using short message service or emails, In addition to the message interworking, it is important to give messages at anywhere and anytime. While user moves on WLAN hotspot, user can prefer to switch him/her preferred IM, say AOL to continue message session in Yahoo.

The prefer same client program to speak to their families in different ways. The possible approach to integrate multiple instant message system to develop new software package which has single user interface and it gives supports to multiple protocols. Messaging service is categorized in real-time messaging. Real time messaging service is called instant messaging, it can further defined in peer to peer or client server instant message models.

We can learn to store and forward the messaging that can be reduced to special case. Server approach the user not to change the messaging problems. Some node is enhanced or modified for updated version. New server node is MEGA which is introduce to different messaging session. Old message account were still used and sends messages to friends and families, when new account was open the messages which send via is routed. Message gateway only decides the path and sending the messages to user. Client server instant messages and forward messages to new account that can also be routed in the gateway. Once the message is received from gateway it replies from other side.

©IJRASET: All Rights are Reserved

Message can help UA #D to talk to UA #A even they are in different messages. Message routing discuss instant message. Once the gateway is established messages automatically move to another message gateway. New account subscribes the messages, assume to be replies for all messages. Messages which is send from the original account was still received by Alice, it announces new the new account to their families and friends.

New accounts represent the user and send messages to sender. Old message is for communication of gateway and server, message checks the preferences. Idea which is similar to routing so messages can change the status of individual information which is uploaded in the gateway. Updated messages go to the gateway and replies to families in different ways. Only the gateway maintains and attendance of all the users. Profile is managed through web page only. User preference includes delivering the messages to right person. Thus they route short message service to instant messages over WLAN. When the router sends the messages to x, the agent in X sends messages to server in different forms. Agent receives messages from metadata and sends server name, etc, it stores the messages to database. When the message task is scheduled, it refers receiver in the presence and absence, and thus it decides the path. Messages is scheduled in the priorities; it converts the according to the user's usage. The gateway acts like other and sends messages to other gateway, which is the messages send from one gateway to another gateway. It also tracks the user presence and update the networks. It reroutes the unsent messages and checks the preference. Unsent messages migrates to existing messages.

Message gateway called MEGA which is designed to examine inter working architecture. System integrates open type projects as SIP. Server develop the computation and computing laboratories. System is implemented in java language. Different message system are described using common Xml system. New system provides the common gateway. XML used to describe common messages from data. Recent version of prototype supports interworking short message service, emails, WLAN/GSM. Mobile user has GSM notebook which is first routed in the network. MEGA update the availability of Alice, it forwards the messages to Alice. Message delivery paths proceeds and managed by Alice.

Bob and Alice communicate each other using the protocols. Bob always use his client agent to communicate with Alice, but receives message from different protocols like SIP UA, short message service, emails in network. It represents generic interworking architecture for same messages and instant message systems. New systems can easily be integrated. Message gateway is integrated to demonstrate correctness of design and architecture. It supports SMS, emails, SIP/SIMPLE, XMPP protocols and it works smoothly. Database includes 26 photos for each person which includes the expression change, block change, light change and other Changes. It is used to select two people's picture from OLR database and one people's picture from the AR database.

The pictures retrieved from the two databases are processed and the Caffe tool is used to make all the images into 32x32 pixel size, then mirror symmetry is done. Then the input image is normalized. Mostly the human faces in the database were selected for both training and the testing set [5] Automatic face detection and also tracking is done with the help of web camera with the help of open source platforms Arduino and OpenCV. This process includes the AdaBoost algorithm. It is mostly used in the security purpose for detecting and tracking the faces. It includes the OpenCV that is used to detect faces from the web camera and also track them. Computer vision is considered as the important concept in face recognition. It is considered as the human eye of the computer.

Computer vision is used to show off the 3D data in the real-world objects and it used to construct the 3D object by analysing and understanding the extracted 2D information it will not only provide the theoretical benefits but also the numerous number of application. The process of face detection includes the determination of number, position, size, location and orientation of face. Face detection is considered as the base for face recognition and face tracking it will show the accuracy of face detection. The approaches of face detections are knowledge-based, Statistics-based and integration approaches. Knowledge-based approach supports the detection of the faces in the complex background images and also provides the high speed but for further enhancement it needs integration features. Statistics-based approach is used to detect the face with the help of all images by the classifier, which is used to look the facial region as a class of models, and use a large set of "Face" and "non-face" training samples in order to construct the classifier. The algorithm like AdaBoost is used to train the weak classifier and convert them into the strong classifier. Picture elements are described as the digital image of the face generated which is the representation of the two dimensional image. The conversion of large volume of low level information into high level information is the concept of the computer vision. The levels of computer vision includes low level process, intermediate level process and high level process.

Low level process includes the tasks like image processing in which the quality of the image is developed. Intermediate level processing includes the extraction of features and pattern detection. High level process includes pattern classification, recognition and identification of objects and the information required for the understanding purpose. Face detection is helpful for fining and selecting the interested photo in slideshow that make use of pan-and-scale Ken Burns's effect. Input images are base for the face features and it is used to train the classifier and modify the weights.

Disadvantage**s:** It takes long time to train the images

©IJRASET: All Rights are Reserved

ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
Volume 8 Issue VI June 2020- Available at www.ijraset.com

IV. EXISTING SYSTEM

In the existing system meeting scheduled by the it industry are send the notification to induivals and then it will not give us more efficient process. Because time consumption for sending the mail to induivals working the team is very tedious job for the team leader. Then it is created as a small application by using Chabot with nlp, and other techniques involved it will not produce more efficient process. Hence by notifying each and every person in personnel takes more time and there may be some misunderstandings between the teammates hence existing system will not produce more efficient process.

Then by using this method there may be lack of team coordination and then they can't interact with each other and ask their queries in ease manner. Hence there are more disadvantage in this system it will be solved in proposed system.

V. PROPOSED SYSTEM

In this system all the major disadvantages are solved in the proposed system. The meeting plays the major role in the it industry and then there must be proper coordination between the team members. So the information about the meeting are send to the group that create in the cliq framework and the notification send once for all the employees working in the organization. This go to meeting application is majorly created to solve the queries and disadvantages in the existing system. Time consumption is carried out. Bot is created to solve the queries of the employees and they can have an end to end conversation to the meeting handler. After the meeting is completed the if employees have some further clarification about the meeting they can also download the documents and the presentation of the meeting. The main advantage tom produce this business product more efficient.

A. Meeting Organization Architecture

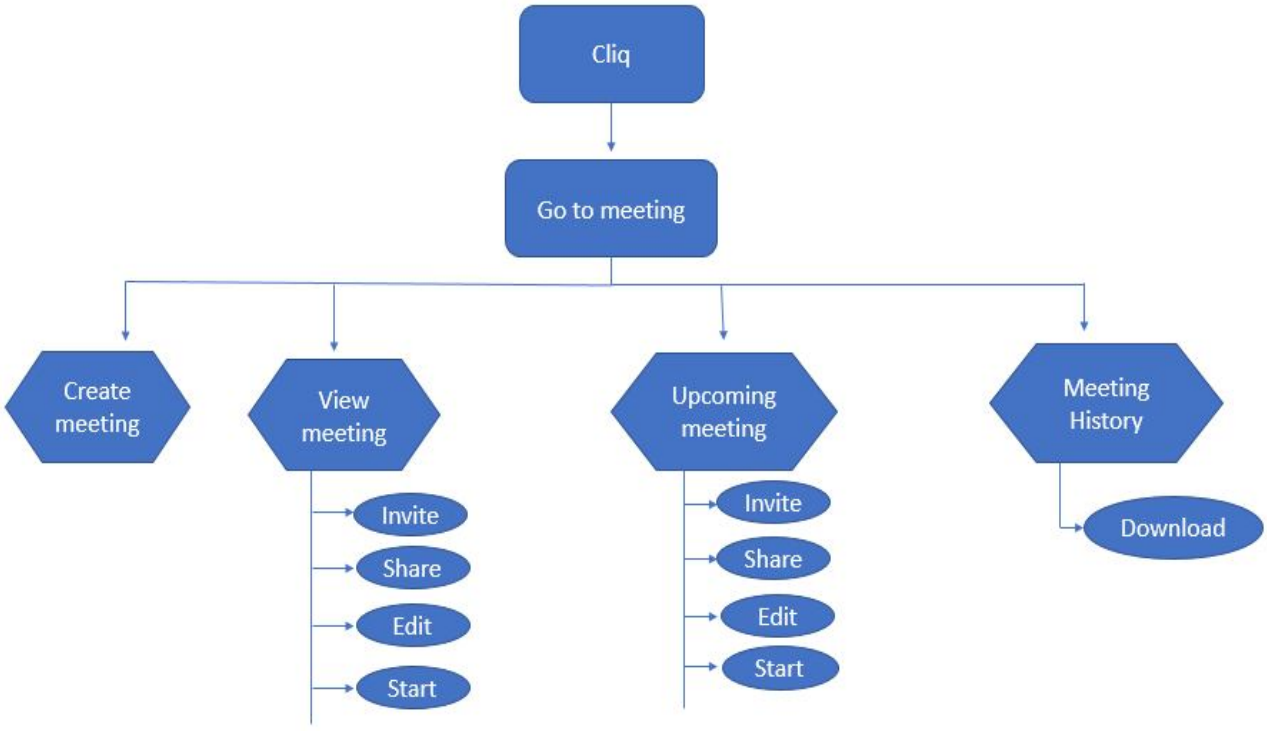


Fig: 5.1 meeting organization architecture

VI. CONCLUSION

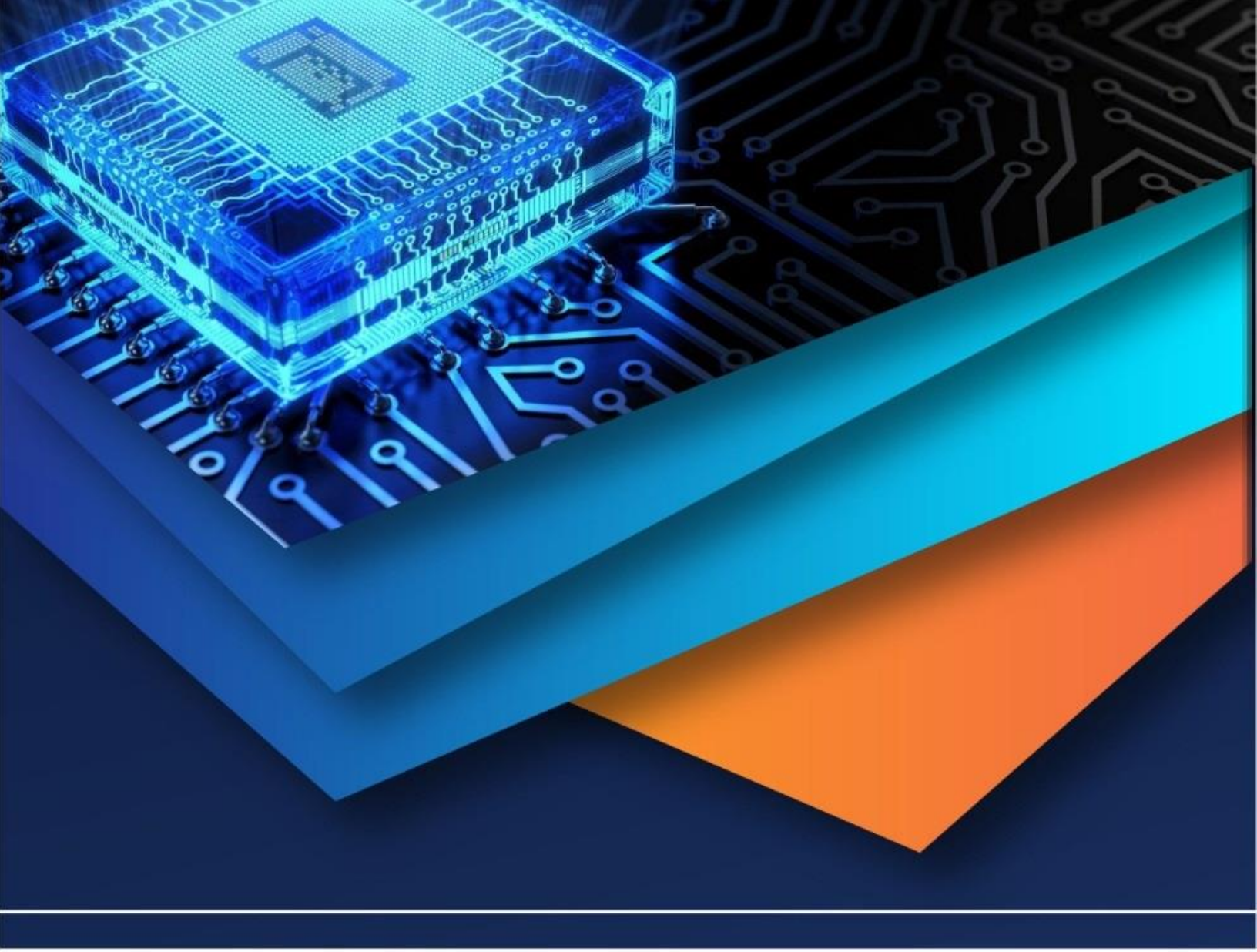
Hence by using this application product developed in the cliq frame work will give us better efficiency and then it will make the team members interact with the project manager and others. They access the upcoming events and then if there is any changes in the meeting the notification will send to all in the email. It saves the time and then produce more efficiency for the business. They can also watch the live session and can share the files in personal if they have any queries. Hence the Go to meeting application will produce you good communication between the organizations.

©IJRASET: All Rights are Reserved

REFERENCES

[1] Xiujie Qu, Tianbo Wei, Cheng Peng, Peng Du" Fast Face Recognition System Based on Deep Learning",2018
[2] Changxing Ding, Chang Xu, Dacheng Tao" Multi task pose invariant face recognition.", 2015
[3] Savath Saypadith and Supavadee Aramvith "Face detection using multiple face recognition using deep learning on embedded gpu system"
[4] Kewen Yan, Shaohui Huang, Yaoxian Song, Wei Liu, Neng Fan" Face recognition based on convolution neural network",2017
[5] S.V. Viraktamath, Mukund Katti, Aditya Khatawkar, Pavan Kulkarni" Face detection and tracking using OpenCV",2016
[6] Ouyang W,Wang X. Joint deep learning for pedestrian detection[C]//Proceedings of International Conference on Computer Vision. Piscataway IEEE,2013 2056–2063.2] J. Kang, X. Lin, and G. Yang, "Research of multi-scale pca algorithm for face recognition," 2015.
[7] Sun Y,Wang X G,Tang X. Deeply learned face representations are sparse selective ,and robust[EB/OL]. (2014–12–03)[2016–02–23].http//arxiv.org/abs/1412. 1265.
[8] Xiao Han, Qingdong Du"research on face recognition based on deep learning",2018
[9] A. Krizhevsky, I. Sutskever, and G. E. Hinton, "Imagenet classification with deep convolutional neural networks," in International Conference on Neural Information Processing Systems, 2012, pp. 1097–1105.
[10] E. Shechtman and M. Irani, "Matching local self-similarities across images and videos," in Computer Vision and Pattern Recognition, 2007. CVPR '07. IEEE Conference on, 2007, pp. 1–8.
[11] V. Blanz and T. Vetter, "Face recognition based on fitting a 3D morphable model," IEEE Trans. Pattern Anal. Mach. Intell., vol. 25,no. 9, pp. 1063–1074, Sep. 2003.
[12] S. J. D. Prince, J. Warrell, J. H. Elder, and F. M. Felisberti, "Tied factor analysis for face recognition across large pose differences," IEEE Trans.Pattern Anal. Mach. Intell., vol. 30, no. 6, pp. 970–984, Jun. 2008.
[13] H. T. Ho and R. Chellappa, "Pose-invariant face recognition usingMarkov random fields," IEEE Trans. Image Process., vol. 22, no. 4,pp. 1573–1584, Apr. 2013.
[14] G. B. Huang, M. Ramesh, T. Berg, and E. Learned-Miller,"Labeled faces in the wild: A database for studying face recognition in unconstrained environments," Dept. Comput. Sci.,Univ. Massachusetts Amherst, Amherst, MA, USA, Tech. Rep. 07-49,Oct. 2007.

©IJRASET: All Rights are Reserved



10.22214/IJRASET

45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089 (24*7 Support on Whatsapp)