**VIRTUAL WORK**

**ABSTRACT**

The digitization of the physical world and the daily life becomes more and more interesting for research and industry.  This paper provides definitions and differentiations in the fields of Smart Buildings, Smart Home and Smart Office, but its main contribution is a concept for the integration, the management and the control of all service in a Smart Office environment.

This application is mainly for a company, though this app it is used for entrepreneurs and freelancer. There are four modules co-working space, virtual assistance, virtual office and community. This app is for a company for entrepreneurs, freelancer virtual space and virtual assistance provided through this app. Through this app they can get more clients. For outside clients they can know details about what are the things they have done for them and also report can be known through this app. This is a good advantage of this app, that is for outside client they don’t need to visits the office for check progress of work, can be check through online.

In community module chatting included, this chatting is done by investors of freelancers. They can a host a meeting, so many entrepreneurs can join the meeting by registering this app a payment is done. So, they can chat each other. This chat team has a speciality, that is for a particular area a chat team will be there. Automatically join the chat group when they join the application.

In co-working space, a space provided for client. If a client register through this app they can select the services they needed. If they need co-working space, they can be known how much branches are there and how much spaces are there in each branch. So, after knowing this detail they can be go for payment and book the slot.

If a working assistance taken a work from client and they can send to the client by work done. Then client can get option to accept or decline. They accept means they approved the project and reject or didn’t mind the project means they need to modify the project and again send to the client.

**EXISTING SYSTEM**

Over the past decade working from home has developed into an acceptable way to conduct business, especially among freelancers and new business owners [8]-[10]. Working from home is no longer seen as a business solution, but a lifestyle choice. There’s a common misconception associated around home-based businesses that workers are detached from the real world. This misconception can drive clients away from conducting business with home-based company, as many of them would rather visit a well-known office address and contact an office phone number.

**PROPOSED SYSTEM**

In this paper we proposed a framework named “Virtual Office” [9]. We developed a structure of all working process of an industry trough internet and others ICT tolls in where total system is operated using online software that is communicate, synchronize among all segment of production process. Thus, entrepreneurs can fulfill their dream by establish an industry in very low cost, less paper works as well as they can make their product more versatile compare to the other traditional industry. Additionally, those industries which have less production and marketing opportunity, they can be profited when they will conduct production and operation related task in virtual world with this “Virtual Office Software Model”. The world around us is rapidly changing.

**MODULES**

**1.Virtual Work**

**Admin**

* Login
* Register company
* Register employee
* Manage client (Approve/reject)
* Manage work request from client (Approve/reject)
* Calculate estimation and forward to client
* View payment
* Assign work (Priority: not working on that time)
* View worker/employee work status (is approved/rejected)
* Terminate worker/employee (if reject work more than 3 time)
* View uploaded work status with time progress
* Update Work status to client
* Forward Work to Client
* View status of work(if any modification)
* View rating

**Client**

* Register
* Login
* Request work (any work)
* View estimation and approve/reject
* Payment for approved work
* View work status
* View work manage (give modification if any)
* Rate work

**Worker/Employee**

* Login
* Manage Assigned work (Approve/Reject)
* Upload work
* Upload updated work (if any updation/modification given)

**2. Virtual office**

**Admin**

* Login
* Register office
* Register manager for each company
* View office used details

**Manager**

* Login
* Upload office space details
* Manage booking request (Approve/reject)
* View cancellation
* View payment
* Offline payment

**Client**

* Login
* View nearest office details (location, rent, etc)
* Request for booking
* View booking status
* Cancel request (in 1 hour)
* Online Payment
* View offline payment

**3. Community**

**Admin**

* Login
* Crate group
* Manage users in group

**Client**

* Register
* Login
* Join group
* Update business profile
* View business profiles
* Ask doubts
* View responses

**SYSTEM SPECIFICATION**

**Hardware Specification**

The selection of hardware is very important in the existence and proper working of any of the software. When selecting hardware, the size and capacity requirements are also important. The hardware must suit all application developments**.**

* Processor : i3 or above.
* System Bus : 32Bit or 64Bit
* RAM : 4 GB or Above
* HDD : 500 GB or Above
* Monitor : 14” LCD or Above
* Key Board : 108 Keys
* Mouse : Any Type of mouse
* Mobile : Android supported mobile phone

**Software specification**

One of the most difficult tasks is selecting software, once the system requirement is find out then we have to determine whether a particular software package fits for those system requirements. This section summarizes the application requirement.

* Operating System : Windows 10 Any 32 bit or 64 bit platform
* Front End : Android, .Python
* Back End : MySQL Sever
* IDE : Eclipse or Android studio

: Python 3.6 or above

: PyCharm