**Name of the Department: City Programme Management Officer,NUHM**

**Nodal Officer Details: Dr.Suresh G.K,CPMO NUHM**

**IT SYSTEM DETAILS**

**1) What are the current IT systems in the department?**

* Digitalization of IEC through signage player within TV
* Biometric attendance Management
* PHIEC-Public Health Information and Epidemiological Cell in BBMP
* Laboratory Information Management System(LIMS),Software implementation in 6 Referral Hospitals.
* File Inventory system
* BBMP-NUHM Website
* GIS based map of the hospitals
* RCH (Reproductive Child Health) portal
* HMIS(Health Management Information System)
* Vulnerability Survey ,Ncd Survey app
* EVIN Stores app

**2)Provide details of functionality of each system**

* **Digital Signage**

It’s a cloud based application,we have a dashboard for controlling and managing the server.

Each uphc have digital signage player,which is configured to the server through respective IP address of UPHC’s.

It is mainly to give awareness about health to the public by displaying health awareness programs in TV.

* **Biometric attendance**

Each uphc have the biometric device ,attendance of each employee is monitored through smart office software.

It’s a centralized server,through dashboard we can monitor each individual hospital attendance details.

* **PHIEC**
* Diagnose and Investigate health problems and health hazards in the community.
* Mobilize Public and Private sector collaboration and action to identify and solve health problems.
* Develop Policies and Plans that support individual and Community Health efforts.
* Enforce laws and regulation that protect health and ensure safety.
* Inform, educate and empower people about health issues.
* Evaluate effectiveness, accessibility and quality of population based health services and
* Research for new insights and innovative solution to health problems prevailing in our city.
* **LIMS**

Lab software is implemented in all 6 referral hospitals

It’s a server based application

All lab test reports,individual test records maintained in inventory system.

Machine interface is done through this data come directly into the LIS

Barcode system is in system.

* **File Inventory System**

It’s developed by BBMP IT system

Each individual data operators of respective office’s will have their own username and password for accessing the portal.

Each file will have a ID number, from this we can track file status.

* **BBMP –NUHM Website**

Nuhm website link:www.nuhmbbmp.com

In this,public will get up to date information of NUHM.

* **GIS Based Map of the Hospitals**

From BBMP IT department,GIS Based mapping of BBMP hopsitals is done.where you will come to know about HR gap analysis,slum details and near by hospital details for higher treatment.

* **RCH (Reproductive Child Health) portal**

It’s a Gvt.of India’s portal

Here,Elgible couple,Pregnant women and Child Registration details will be maintained

Each UPHC’s have their own user name and password for accessing the portal

For district ,they have given separate user credentials in which we can access entire district report status.

* **HMIS(Health Management Information System)**

It’s a Gvt.of India’s portal

Each UPHC’s have their own user name and password for accessing the portal

For district ,they have given separate user credentials in which we can access entire district report status.

Early once,infrastructure details will be updated and monthly each line item details will be updated such as out patient details and all.

I will attach line items in this mail,pls go through it.

* **Vulnerability Survey ,Ncd Survey app**

This is created by BBMP IT

Survey report will be done through online in the field.

* **EVIN Stores app**

It’s a Gvt portal

Vaccine details will be maintained here.

**3)Are there any Control Centers to monitor the existing systems?**

* For each individual portal,we have a dashboard and user credentials are given by the respective vendor.

**4)If yes,provide details of location of the control centre,the operations being handled and number of operators.**

* Please do consider 3rd question’s answer.vendor details is given in coming question.

**5)In scenarios where edge components/devices(cameras,sensors,etc) are involved ,how many components are present and how is the data being transferred?(network connectivity)**

* In 6 Referral Hospitals,cc tv camera facility is implemented.

**6)Provide technical details of the software system-programming language,database,operating system,API’s etc**

* LIMS-C# Language

**7)What are the current reports,dashboards available?**

* Digital signage server dashboard
* Biometric attendance dashboard
* Vulnerability and NCD Survey dashboard
* File Inventory system dashboard
* PHIEC dashboard

**8)Provide Hosting details; ether on-premise server or on-cloud**

* Digital Signage –Cloud based
* Biometric-Server based
* LIMS-Server based
* Vulnerability and NCD Survey App- Cloud based.

**9)How are new changes/modifications being carried out?By in- house**

**Experts or is there any vendor enagaged?**

* Pro Digital- Pro digital PVT.Limited (Deepukumar :9845166701)
* Biometric- Global IT (Gurucharan : 9886093759)
* LIMS – Global IT(Gurucharan : 9886093759)
* PHIEC,Vulnerability & NCD app- BBMP IT Department
* File Inventory system- BBMP IT Department

**10)Are there any palns for scaling up or upgrading the existing systems?**

* **HR online reporting**
* **Online Drugs Inventory Management**
* **Online Monthly Reporting system.**

**11)What are the other IT initiatives in pipeline?**

* Implementing LIS in UPHC level for strengthening the lab service
* Implementing E hospital system module in UPHC’s

Epidemiological Cell in BBMP Public Health Information and Epidemiological Cell in BBMP