

EMM+™ SOFTWARE DEVELOPMENT PROPOSAL

Date.....

Contact Name.....

Client Name.....

Client Address.....

Re: Enclosed Health Software Development Proposal

Please find enclosed our detailed software proposal for your kind consideration.

Nayasty Technology Consult (nTc) recognizes the various challenges faced by organization with respect to administrative cost, human resource management, service rendering time among others. Much of these challenges causing most business to run down the drain, go bankruptcy or struggling to grow and make progress. nTc discovers the role of IT in solving most of this challenges. And making the solution easily accessible by businesses and organizations both large and small by providing them with system that are all in one. Team from nTc are well trained to follow through and ensure that our clients are well satisfied with every service delivered. Nayasty Technology Consult (nTc) systems are designed to be user friendly.

We are ready to present our software for your admiration and also answer any questions that you may have.

Added to our excellent software is an after sales services, systems-users training and onsite and offsite support.

We are very glad you have taken time off your busy schedule to review our proposal and are assured you will be glad with the way our software can help you.

Yours Truly

[Nana Yaw Amponsah Noah]



(C.E.O nTc)

EXECUTIVE SUMMARY

EXPERT MEDI MART (EMM+) is windows base database related manual folder less system developed for hospitals, clinics, pharmacies and other medical firms. EMM+™ is a health folder less administration and management software which operation is cast on; Patients (Inpatients and Outpatients), Organizational Administration and Management and consist of numerous facet such as OPD consultation, General Admission, Obstetrics and Gynecology, ENT Consultation, Nutrition Consultation, General Surgical, Eye Care, Dental Clinic, Physiotherapy , Other Special Cases, Maternal Health Care, Laboratory and Investigations, Ultra Sound Scan, X-ray, Blood Bank, Human Resources, Insurance Claim Generation , Disease Diagnosis (Base on symptoms and Sings associated), Medical Treatment which follows the standard treatment guidelines, Prescriptions; Medicine prescribed to clients, Stock keeping, Stock out product, Suppliers Stocking, patient Registration ,Product ordering, Easy accessibility of patient data, lab data, diet, pharmacy and front desk from doctor's seat /Automatic 'next review' reminders by SMS to patients / Saves 50% of time during repeat prescriptions / Digitalization of health record improves quality of service and helps to build better brand image for your hospital or clinical practice /Capture patient's first visit medical history, Capture current observation, complaints, quick report generation, electronic folder view-print and many more

Signed as accepted by client:.....

Date:.....

Nayasty
TECHNOLOGY CONSULT

CONTENT

- AIMS
- SCOPE
- INTENDED OPERATION
- DESIGN PROCESS
- FUNCTIONALITIES
- FUNCTIONAL REQUIREMENTS (MANAGEMENT SYSTEM)
- FUNCTIONAL REQUIREMENTS IN EMM+™ ADMINISTRATIVE SYSTEM (STAFFBOOK)
- NON-FUNCTIONAL REQUIREMENTS
- CHOICE OF TECHNOLOGY (HARDWARE/ SOFTWARE)
- DISTRIBUTION OF SOFTWARE
- CAPACITY OF USERS
- OBSTACLE
- SYSTEM ARCHITECTURE
- TECHNOLOGY REQUIREMENTS (SOFTWARE AND HARDWARE)
- MILESTONES (INCLUDING MAN HOURS) AND REPORTING
- TRAINING
- DEPLOYMENT AND TESTING
- DEPLOYMENT
- TESTING
- WARRANTY, SUPPORT, TRAINING
- WARRANTY SUPPORT
- PRICING, PAYMENT TERMS
- PRICING



PROJECT OVERVIEW AND OBSTACLES

AIMS

It is undoubtedly true that if an organization will employ the use of good IT services in their day to day operations it would save up to 40% of its administrative cost it currently incurs, ensure that the privacy of both staff and client information, ensure easy retrieval of information, ensure proper accountability, free office space, curb embezzlement of funds, enable then to render service faster among several benefits. It is for this reason Nayasty Technology Consult (nTc) endeavors to create systems that are able to achieve this benefits and more. One of such system developed by Nayasty Technology Consult is Expert Medi Mart.

Our system Expect Medi Mart (EMM+) is a windows based related software for hospitals, clinics, pharmacies and other medical firms. The system is built with its main goal of:

- Speed up process in health care delivery in the country (Ghana)
- Protect staff and patient information
- Save administrative cost

SCOPE

To achieve this aims set by Nayasty Technology Consult, our systems encompassed all the different category of health facilities. That is, pharmacies, CHP compounds, Clinics and Hospitals. Workspaces for all the various department at a health facility have been fully developed and are functional, not neglecting the administrative needs. This ensures a complete folder less system where Expert Medi Mart (EMM+) is used. It can be tailored to suit all health facilities both big and small.

INTENDED OPERATION

It is now very easy for Health Care Administrators to track all activities in their facility. The systems enable registered staff to clock in (when reporting to work) and clock out (when closing from work) and also ask permission which is approved by the administrator. It also automatically generates a serialized staff registration card which can be read by a standard barcode scanner and QR code readers. The entire functionalities of the system is outlined in section

DESIGN PROCESS

The EMM+ software is designed using the 3A architecture that is Authentication, Authorization and Auditing which ensures a more secure and user friendly system to work with. EMM+ system workstation is configured on two tier network architecture were a dedicated server (SQL Server) machine is connected to all other workstation for smooth data processing.

FUNCTIONALITIES

FUNCTIONAL REQUIREMENTS (MANAGEMENT SYSTEM)

The following functionalities are launched in EMM+™ management system body:

MASTER ENTRIES

- ✚ Master Entries in EMM+ is administrative entry point to structure the firm's department and its units as well as users' authentication and authorization which includes:
 - ✚ System Users Registration and Authentication
 - ✚ Clinic/ Department and Units Registration
 - ✚ Wards Registration
 - ✚ Wards Services and Fee Payment Structure
 - ✚ Services Places and Service Payment Fee Structure
 - ✚ Consultation Room Registration and Doctors Assignment
 - ✚ Laboratory Setup and Test Parameters Configuration
 - ✚ Stores and Pharmacy Structure : EMM+ allows up to 10 stores and pharmacy setup within one organization
 - ✚ Eye Frame and Lens Setup: Configure prices of unlimited range of eye frames and lenses with their respective price
 - ✚ Online Users Tracker

SERVICES

- ✚ Services comprises of performance of duties or provision of space and equipment helpful to clients in the organization. The framework of services and its structures includes;
 - ✚ Service Request
 - ✚ Service Payment and Invoicing
 - ✚ Services accession and update
 - ✚ Service Configuration

HUMAN RESOURCE (PERSONNEL)

- ✚ The HR is an embedded system in EMM+ which focuses on general staffing i.e;
 - ✚ Staff Registration and Staff Information storage
 - ✚ Quick Search
 - ✚ Staff attendance tracking and reporting Information
 - ✚ Closing Permission
 - ✚ Staff ID generation
 - ✚ Duty Roster Planning

OUT PATIENT CLIENTS

The general OPD clients focus on the following tabs in EMM+;

- ✚ Clients and sponsorship registration, updates and advance client search.
- ✚ Sponsorship Validation
- ✚ General Vital Signs and charts
- ✚ General Consultation which include; presenting complaints, history of presenting complains, systemic enquiries, diagnosis & examination, habits, medicine prescription, client referral, sketches, adverse drug side effect, document management, nutrition, holding and unholding patient, standard treatment guide and all other patient history.
- ✚ General vital signs & history which consist of vital signs history & chart, complaints history, diagnosis & examination history, investigation, medication, medical history, procedure, infusions, treatments, nurses note and obstetric histories
- ✚ Pharmacological and non-pharmacological Treatment.
- ✚ Treatment Procedures
- ✚ Infusion
- ✚ Electronic Folder Entry, Notes and Treatment Form
- ✚ eFolder movement and Location
- ✚ Next patient in queue alarm

INPATIENT

- ✚ Admission of patient include; ward billing & service payment, admission causes, orientation to ward, medical/surgical history, psychological, social, neurological assessment, musculoskeletal, respiration, gastrointestinal, genitourinary, general appearance, nutrition, pressure score screening criteria, Glasgow coma scale for adult, medical management and nurse's management.
- ✚ Detention of patient
- ✚ Nurses note
- ✚ Treatment plan
- ✚ Inpatient discharge
- ✚ Ward Transfer In and Out

MATERNAL CARE

- ✚ Antenatal and Postnatal Vital Signs Records for both the mother and child(ren)
- ✚ ANC consultation which involves;
 1. Family Identification
 2. Pregnancy Records which includes;

- I. Obstetric History
- II. Infant Feeding
- III. Medical and Surgical History
- IV. Social Risk Factors
- V. Family History
- VI. Physical Examination at first Visit
- VII. Current Pregnancy Records
3. Diagnosis and Complaints Records
4. Examination and System findings
5. Investigations which includes; Laboratory Tests and Ultrasound Scans histories
6. Antenatal Records which involves;
 - I. Antenatal Records(History of Vital)
 - II. Tetanus-Diphtheria Immunization Schedule
 - III. Malaria Prevention
 - IV. Deworming: Given after 16 weeks
 - V. Topic for Client Counselling
 - VI. Medications
7. Nutrition Counselling
8. Progress Notes (ANC)
9. General Client History
10. Diagnosis and Complaints Records
11. Examination and System findings
12. Investigations which includes; Laboratory Tests and Ultrasound Scans
- ✚ Deliveries (Labor) which involves;
 1. Delivery Outcome
 2. Mother's Condition at Discharge
 3. Planned Dates for PNC
 4. Baby's Condition at Birth
 5. Discharge Summary
 6. Immunization & Vitamin A Supplementary at delivery
- ✚ Postnatal Consultation (PNC) which involves;
 1. Postnatal Records for Mother
 2. Family Planning
 3. Diagnosis and Complaints Records
 4. Examination and System findings

5. Postnatal Records for Child which includes;
 - I. Postnatal Records for Child
 - II. Early Infant Diagnosis For HIV Exposed Babies
 - III. Test History
 - IV. Diagnosis of child
 - V. Child Medication
 - VI. Progress Notes for Mother after Delivery
 - VII. Medication (Mother)

✚ Child Identification (Birth Registration): Child(ren) identification involves registration of mother's child/children after birth, which include;

- I. Child demographic and biological data storage
- II. Child NHIS sponsorship registration including; self-sponsorship or sponsorship dependency of the mother

✚ Family Planning

The family planning facet handles family planning methods of choice given, counselling, date issued comment/remarks and history of previous records.

✚ Child Growth & Development which involves;

1. Child's Growth Parameter
2. Growth Chart (Weight Chart and Length/Height Chart)
3. Child Immunization which consist of the following;
 - I. Child age during immunization (At Birth, 6weeks, 10 weeks, 14 weeks, 9months, and 18 months)
 - II. Vaccines given at each attended age
 - III. Date of immunization
 - IV. Vaccines Batch number (Vaccine Batch Number and Diluent Batch Number)
 - V. Place of immunization
 - VI. Next date of immunization attendance
4. Other Vaccines which includes age given, vaccine, date given, Batch number (Vaccine Batch Number and Diluent Batch Number), place given and name of giver.
5. Vitamin A Supplementation given within (6 Months (VA1), 1 Year (VA2), 1 Year 6 Months (VA3), 2 Years (VA4), 2 Years 6 Months (VA5), 3 Years (VA6), 3 Years 6 Months (VA7), 4 Years (VA8), 4 Years 6 Months (VA9) and 5 Years (VA10))
6. Deworming: Given after 2 Years (2 Years, 2 Years 6 Months, 3 Years, 3 Years 6 Months, 4 Years, 4 Years 6 Months and 5 Years)
7. Baby & Child Health Records - Progress Note for Child

MEDICATION

- ✚ Diseases Prognosis
- ✚ Drug Prescriptions Center
- ✚ Standard Treatment Guidelines
- ✚ Diagnostic Related Grouping and Diseases Structuring
- ✚ Medicine: Disease Curable
- ✚ System Learner aiding in prognosis
- ✚ Clients Medication History

PHARMACY

- ✚ Prescription Validation and Dispensary (Both Cash and Insured)
- ✚ Store medicine ordering
- ✚ Dispensary product balances and returns
- ✚ Expire Product Tracker
- ✚ Quantity Shortage Tracker

TRANSACTION

- ✚ Services payments and refunds
- ✚ Medicine Sales
- ✚ Sales Chart (Mini Statement)
- ✚ Top Sold Medicine (TSM)
- ✚ Sales Curve Tracing
- ✚ Outstanding Refund
- ✚ Mail Sales to Administrator
- ✚ Sponsorship Reloading over cash paid services
- ✚ Services Payment Record and Reporting

REPORTS

- ✚ Treatment Guide
- ✚ Store Report which involves;
 1. Stock in Report
 2. Store Order(s) Reports
 3. Internal Stock out Report
 4. External Stock out Report
 5. Store Summary Report
 6. Suppliers list

- ✚ Sales Report which involves;
 - 1. Medicine Sales Returns
 - 2. Mart Sales Returns
 - 3. Net Weight
 - 4. Top Sales
- ✚ Income and Expenditure Report
- ✚ Client Information
- ✚ National Health Insurance Scheme which includes
 - 1. Claims Vetting
 - 2. Claim Batching
 - 3. Claim Processing
 - 4. Automatic GDRG code fixing
 - 5. Claims Summary Report in preferred number of batches
 - 6. Electronic Claims Form in PDF, Word or Excel format
 - 7. Claims Barcoding
 - 8. Tariff accumulation and summation
- ✚ Clients Medication which includes;
 - 1. Medical Prescriptions
 - 2. Medication Reports
 - 3. Adverse Drug Side Effects
- ✚ Employee report which includes;
 - 1. General Information
 - 2. Attendance Reports
 - 3. Staff ID Generator
- ✚ Ghana Health Service reports includes;
 - 1. OPD Attendance Summary
 - 2. Statement Of Out Patients
 - 3. Morbidity
 - 4. Consultation Room Reports
 - 5. Note Books (Nurses notebook, Detention notebook, Treatment notebook, Infusion and Injection notebook)
 - 6. Observation Chart
 - 7. Daily Bed State report which consist of **Daily Ward State Report & Bed State Report**:
 - a) **Daily Ward State Report** includes;
 - i. Number of ward total

- ii. Patient(s) remain previous at ward
- iii. Admission total
- iv. Discharge total
- v. Died total
- vi. Transfer in total
- vii. Transfer out total
- viii. Referral total
- ix. Absconded total
- x. Patient Days
- xi. Total Babies

b) **Bed State Report** includes;

- i. Bed Complement
- ii. Reporting Ward
- iii. Report date/month calendar margin
- iv. Available Bed Days
- v. Number of Patients Days
- vi. Average Daily Occupants
- vii. Percentage Occupancy
- viii. Average Length of Stay
- ix. Discharge/Died Total
- x. Turn Over Per Bed
- xi. Total Admission
- xii. Turn Over Interval
- xiii. Death Rate
- xiv. Days Within the Period

8. Statement of OPD

9. Absconded & Incomplete Attendances

🚦 Laboratory includes;

- 1. Clients Laboratory Attendance
- 2. Lab test report
- 3. Lab Chemistry reports
- 4. Medical lab reports

INVENTORY

- + Manufacturer's Update
- + Filing
- + Price Manager
- + Add New
- + Update
- + Remove from Stock
- + NHIS Covering
- + Check for Expiration
- + Stock Returns
- + Product Stickers
- + Taxation
- + Product State
- + Archived Medicine

INVESTIGATIONS

- + Specimen Collection
- + Lab Test
- + Lab Result view and reporting
- + SCAN CENTER
- + X'RAYs

STORE

- + Internal-Stock-Out>Returns
- + Suppliers Stock Entry
- + Stock Summary
- + External-Stock-out-Entry
- + Internal-Stock-out-Entry
- + Pharmacy to Pharmacy stock Transfer
- + Monthly Stock Taken Form
- + Tally Cards Report
- + External-Stock-Out>Returns
- + Stock –In-turns

SYSTEM ACCOUNT

- ✚ System Data Entries
- ✚ System Security Updates
- ✚ System Data Deletion
- ✚ User Logged
- ✚ System Data Update
- ✚ Database Logs
- ✚ Documents Printout
- ✚ System Access Records
- ✚ Export to PDF
- ✚ Store
- ✚ Export to Excel
- ✚ Sales Effect



FUNCTIONAL REQUIREMENTS IN EMM+™ ADMINISTRATIVE SYSTEM (StaffBook)

The EMM+™ administrative system (StaffBook) is an integrated system of the EMM+ Pro system which focus mainly on methods of tending to or managing the affairs of organizational system including human resourcefulness and assets of the organization.

The following functionalities are launched in EMM+™ administrative system body:

HUMAN RESOURCE

The HR facet in the EMM+™ administration system handles almost all data of the organization's staffing and its timelines control, which focus on the following sub system:

- ✚ General Staff registration and information data storage, update and manipulation which includes;
 1. Department designation (Assigning Staff to their belonging department in the organization)
 2. Unit designation (Assigning Staff to their belonging unit in the department)
 3. Staff Establishment
 4. Staff Ranking
 5. Mechanization designation
 6. Position designation etc.
- ✚ Staff Transfer which involves;
 1. Internal and external transfer In
 2. Internal and external transfer Out
 3. Transfer Letter Templates
- ✚ Staff Promotion which involves;
 1. Internal promotions
 2. External promotions
 3. Promotion Letter Templates
- ✚ Staff Exiting which includes;
 1. Retirement
 2. Service completion
 3. Suspension of staff
 4. Staff travelled
 5. Staff Resign
 6. Leave

NEWS FEED

The **news feed** facet in the EMM+™ administration system handles all Information about recent and important events of the organization from administrative and management to all staff body which can be accessed from all staff portal in **EMM+™ administration**. It allows publishing of all updated information to the general organization body. The following are various aspect under the **news feed facet**:

- ✚ General Announcement to entire staff body which will be only accessible to users of the EMM+™ administration system.
- ✚ Staff Leave Scheduling which includes;
 1. Departmental and occupation leaves scheduling
 2. Staff Leave structuring and categorization.
 3. Leave duration structures
 4. Leave printout forms
 5. Leave schedule SMS alerts to staff.
- ✚ Holidays plan, structured to notices to staff at their portal in the EMM+™ administration system.
- ✚ Update Request: Is sub facet under **news feed** where staff send information to the administration body and hold on to be processed.
- ✚ Closing and Login Out request platform for staff to request clocking out from the organization to be approved by administration. An automatic serial will be generated for the staff at approval to be use to clock out once daily in the system.
- ✚ “Quote of the Day”: Is a motivational message which might be included in the EMM+™ administration system to allow a one user to publish a quote once within the day.

STAFF ROSTER

The **staff roster** facet in the EMM+™ administration system allows scheduling of times for staff of the organization to do tasks or to be on duty which will be accessed from all staff portal in **EMM+™ administration**. It allows staff to quickly access his or her roster with a set date calendar margin. The following are various aspect under the **staff roster facet**:

- ✚ **Duty Roster**. It consists of morning, afternoon, evening, night and leave attendance scheduling of departmental, establishment and occupational type roster of staff including monthly date calendar margin which is accessible at staff portal. Also includes; roster printout and SMS alert
- ✚ **Devotional Roster**: In EMM+™ administration system devotional roster is used to structure morning and other devotions in the organization which is accessible to all users.

IN SERVICE TRAINING

In Service Training facet in **EMM+™ administration** consist of keeping track of services render to or for staffs which involves;

1. Category of staff trained
2. Periodicity of training
3. Sponsors of training services
4. Organizers of training
5. Transaction made during in service training

TRANSPORT

Transport facet in **EMM+™ administration** handles all transportation made by the organization's vehicle which in includes;

- ✚ Vehicles Registration: It consist of keeping data of vehicles of the organization including; detail description, transaction, suppliers and up-to-date status of the vehicles.
- ✚ Vehicles Usage: This involves assignment of vehicles to a registered driver to be accepted on its portal and return the vehicle vice versa. The activity includes;
 1. Vehicle Login information
 2. Vehicle Logout information
 3. Vehicle operational estimation
 4. Adding a driver
- ✚ Vehicles Maintenance: It consist of keeping data of vehicles maintenances including breakdown information, workshop information, maintenance type, maintenance status and maintenance charges estimation.
- ✚ Vehicles Dispose which includes;
 1. Auctioning
 2. Direct Sales
 3. Customer
 4. Condemn vehicle disposing

GADGET MONITORING

Gadget Monitoring facet in **EMM+™ administration** handles all data and records of the organizations' gadgets which includes:

- ✚ Gadgets Registration: Keeping all data and information into **EMM+™ administration** system
- ✚ Gadgets Transfer: Transferring gadget from one particular department or unit to the other
- ✚ Gadgets Supplier data keeping

STAFF ATTENDANCE MONITORING

This facet consists of all attendance information clocked in by staff at their portal including working hours spent at the organization.

LETTER TEMPLATES

This facet consists of built in letter template which makes it easier to print out letter forms including:

- ✚ Promotion Letter template style 1
- ✚ Promotion Letter template style 2
- ✚ Promotion Letter template style 3
- ✚ Transfer Letter template style 1
- ✚ Transfer Letter template style 2
- ✚ Transfer Letter template style 3
- ✚ Retirement Letter template
- ✚ Retirement Announcement letter etc.



NON-FUNCTIONAL REQUIREMENTS (emm+)

- ✚ User Friendly (Easy to install and use)
- ✚ Fast response time
- ✚ Scalability
- ✚ Reliability
- ✚ Good Security
- ✚ Data Integrity
- ✚ Interoperability
- ✚ Administrative Benefits
- ✚ Role granting and Revoking by System administrator
- ✚ Registration of staffs and automatic generation of serialized ID cards
- ✚ Monitoring of Daily Revenue
- ✚ Approval of Refund Request by system administrator
- ✚ Automatic expiry of Refund Request
- ✚ Generation of Reports
- ✚ Mortality
- ✚ Morbidity
- ✚ Permission Approval by System Administrator
- ✚ Registering of Suppliers
- ✚ Clocking in and Clocking Out by Staff
- ✚ Automatic SMS alert upon exhaustion of product
- ✚ Internal/ External Stock Management
- ✚ Registration of client/patient and automatic generation of serialized ID cards
- ✚ Taking Patient Vitals Information and Generation of Patient Vital Sign Chart
- ✚ In-Line chat (text communication) between users of EMM+ System
- ✚ The ability to manage up to 10 pharmacies and 10 stores simultaneously within the same facility
- ✚ Reports are generated with advance Microsoft report technology that makes it faster and easier to export to other formats (PDF, WORD, EXCEL etc.) and easy to set printing sizes
- ✚ Inpatients folder less report including electronic admission form1 and 2 generation
- ✚ Google search streamline
- ✚ Aside folders less EMM+ system come with other electronic note books such as: Detention note, Treatment note, Nurses note and infusion note books
- ✚ Two SMS mode configuration including 3g modern configuration and API SMS
- ✚ Two way backdating mode which consist of ended episode backdate and newly attendant backdating.
- ✚ Ability to scan and attached existing folder into the system
- ✚ Sound notification ... For next patient calling

- ✚ Easy to install and configure workstations on both wireless and wired network
- ✚ Automatic auditing and report
- ✚ Direct pharmacy services
- ✚ NHIS top up billing if set to
- ✚ Accurate morbidity report including malaria categorization
- ✚ Transaction reversal chain approve
- ✚ Handle Private and Public insurance
- ✚ QR and barcoding encryption of receipt and Claims data sheet (One-page print / Both page print)
- ✚ Conversion of monetary numeric to words for every monetary transactions
- ✚ High system security
- ✚ Review SMS alert and birthday SMS notification
- ✚ Pending queues of client access
- ✚ Cash Deposit and withdrawal for admitted patients
- ✚ Eye Clinic Morbidity Report
- ✚ Morbidity Report According To Attended Clinics
- ✚ Statement Of Out Patient Report According To Attended Clinics
- ✚ Attendance Summary Report According To Attended Clinics
- ✚ Prescription Price Change Validation at Pharmacy (Dispensary) Portal
- ✚ Services Report Generation for Various Sponsors (Insurance Company)
- ✚ Service Payment Report on All Invoices Received Within a Set Period
- ✚ Payment Memo Report Generation by Summary, Detail Report, Service Place (Unit) and Grand Total
- ✚ Insurance Memo Report Generation by Summary, Detail Report, Service Place (Unit) and Sponsors Company
- ✚ Malaria Auto Categorization at Diagnosis from All Consultation Room
- ✚ Procedure Services Quantity Addition to Raise Client Treatment Bills Under a Single Service
- ✚ Reflection of Services Quantities on Claims Data Sheet
- ✚ Infusion Charting Remarks Unclear to Enhance a Quick Data Entry
- ✚ Cancellation of Redundant Admission Services
- ✚ Cancellation of Detention Auto Bill to Cash For Private Cash Patients
- ✚ Prescription Time Delay Handler
- ✚ NHIS Zero Drug Price Cash Payment
- ✚ NHIS Zero Lab Charge to Cash Payment
- ✚ NHIS Cash Billing For Non-Covered Admission Ward Services
- ✚ Direct Pharmacy Services to Walk-In Clients
- ✚ Walk-In Consultation Claim Sheet
- ✚ Tally Card on Various Pharmacies
- ✚ Consultation Billing For NHIS Clients
- ✚ Laboratory Parameter Ranges Configuration

- ✦ Lab Client Folder Search Engine
- ✦ Lab Pending Service Revert for Unseen Lab Services
- ✦ Windows Forms MDI Arrangement on Click Command
- ✦ Four Hour Vital Signs Chart Auto Reload According to Client Episode
- ✦ NHIS New Prices Updater
- ✦ Delivery Service Charge Billing From Ward Services
- ✦ Payment Refund Form Print Out
- ✦ Payment Mini Statement According To Users (Cashiers) Entries
- ✦ Seen Clients Pending List at Consultation
- ✦ emm+ Paid Receipts Checker to Check if Client Receipts Are Valid
- ✦ Introducing emm+ Auto saver To Automatically Save Data Entry during Blackout



CHOICE OF TECHNOLOGY (HARDWARE/ SOFTWARE)

Distribution of Software

The system will be installed on each workstation and configured to run with the server. An SQL management will be installed on the server for database configuration. Updates will be sent to all workstation over the network and installed.

Capacity of users

The capacity of users that can use the system is directly related to the number of functional workstations available which provide unlimited number of user's login.

OBSTACLE

The system requires a consistent power supply when in use and especially on the server. Where there is power outage on a workstation other than the server the system will continue to work except on that particular workstation. However, when the server is off, all other workstation will cease to function. For this reason, we commend that an alternative power supply be made readily available in cases of such problems. The server however will save every information entered prior to power outage. It recommends that an external backup be kept on the server to store all information eternally from the server itself.

In cases where other systems were already in use, there is the likely of encountering a challenge of data migration. However, Expert Medi Mart provides a way for all previous data both soft copy and hard copy be migrated using its built in functionality together with other peripheral devices.

SYSTEM ARCHITECTURE

TECHNOLOGY REQUIREMENTS (SOFTWARE AND HARDWARE)

Expert Medi Mart is a Windows based software designed to work on Windows 7 and other higher versions of Windows OS such as Windows 7, 8 and 10 and net framework of 3.5 and above. The system can run without interference on both 32bit and 64bit computers. The system requires a 200GB+ hard disk space and a RAM of 4 GB+ to function. The server requires a hard disk space of 500GB+ for data storage and performs an automatic back up and it will be recommended that an external storage of 2 terabytes be purchased for this purpose. To enable the system to perform some functionality such as taking signatures/pictures of staffs, reading QR codes etc, and other peripheral devices will be needed. EMM+ database is well structured to handle data in respect to its type, length and collation in order to enhance validation at user end during data entry.

All other third party software will be installed automatically during EMM+ installation process.

TRAINING

Nayasty Technology Consult (nTc) offers training that starts after the installation of the software and the structuring of the services. During this trial period, teams from nTc organizes the.

Milestones (including Man Hours) and Reporting

Task	Estimated Time Frame
Networking	1 -5 Days
Software Installation	1-3 Days
Structuring of Services	1-7 Days
Staff Registration	1 Day
Training	1 -3 Days

DEPLOYMENT AND TESTING

This software will be distributed in the following manner(s):

DEPLOYMENT

Install a software system known as the Expert Medi Mart (EMM+) on the Client's workstations including the local server computer running on a local area network at the premises of the Client.

How the software will be installed, how updates and bug will be fixed. Whether manual or automatically.

TESTING

Nayasty Technology Consult (nTc) offers a free One (1) month trail that starts after the installation of the software and the structuring of the services.

WARRANTY, SUPPORT, TRAINING

WARRANTY SUPPORT

Nayasty Technology Consult (nTc) offers a free support and maintenance of its system. In cases of minor update nTc will send updates to the system administrator. Otherwise a team from nTc will visit the organization within 48 hours to respond to any problem.

PRICING, PAYMENT TERMS

PRICING

In Consideration of the mutual covenants here under mentioned to be performed by the parties herein, it is agreed between the parties as follows;

The Contractor shall:

- I. Install a software system known as the Expert Medi Mart (EMM) on the Client's workstations including the local server computer running on a local area network at the health premises of the Client.
- ii. Fully train the users of the Client on the use of the system in order for the Client to make maximum use of EMM Software.

PAYMENT TERM

The Client shall:

- iii. Pay Two Thousand Ghana Cedis (GHS 2,000.00) only after the installation of the emm+ software on all startup workstations, server installation, system configuration, services structuring and training of the system users.
- iv. Pay only five Ghana Cedis (GH¢5.00) for every patient registered electronically into the emm+ system.
- v. Mandated to pay the total sum of payment made in (iv) above to Nayasty Technology Consult LTD within the first week of the immediate one (1) month through a mutually agreed medium of payment without any excuses.
- vi. The facility will provide accommodation for the engineers of the Contractor during the installation, system configuration, services structuring and training of the system users of the emm+ system.



CONTACT DETAILS

You can get in touch with us in any of the below ways

By Phone: 0302454264, 0248449986

By Email: nayasty2@gmail.com , nayastytechworld@gmail.com

On Our website: <http://www.nayasty.wixsite.com/ntcgh>

Social Media Handlers: <http://www.facebook.com/ntcgh> || Facebook

If you would like to proceed with our proposal then you can sign the first page and return a copy to us by fax, email or post

