



BackBone



2010-e India Award - For 800 bedded
tertiary care multi disciplinary
Super Speciality Hospital - Tamilnadu

2013-e India Award - For 650 bedded
Medical university Hospital - Karnataka

2014 Silicon India - AOSTA is one
among the 10 most promising
company across India in the
Healthcare Vertical.

- 200+ Clients ☒
- 50 to 2000+ beds hospital ☒
- Billions of transactions with 99.9% TAT ☒
- HIPAA and HL7 Compliant ☒
- Global Presence ☒

WE ARE AOSTA

Promoted by a team of Doctors and Visionaries in Hospital Business, Aosta was founded in 1999 with the goal of providing **world class Healthcare related products and solutions**. These offerings ease the task of delivering expert IT solutions and services to Hospitals and healthcare institutions.

With the rise of technology throughout the healthcare field, Aosta, already has cutting edge solutions to better manage the information generated by proven & newer technologies - with one eye firmly focused on **patient safety** and the other on improving **healthcare delivery**.

Aosta's solutions **comply with present and emerging standards and regulations** thus ensuring seamless integration across systems within hospitals, for any markets. With 98% customer retention over 20 years, we have our client base across India, Africa, Far East and Middle East markets. Besides, we also focus on **sustained product development**- like IOT, BI, AI, Data Analytics, Mobile Apps, etc.

PRODUCTS

- ▶ HIMS
- ▶ LIMS
- ▶ Pharmacy
- ▶ Mobile Applications
- ▶ BackBone Telemedicine

SERVICES

- ▶ Managed Services
- ▶ Consulting
- ▶ KPO Services

SNAPSHOT

- ▶ A leading brand in Healthcare Solutions in India
- ▶ A strong and growing base of hospitals throughout India.
- ▶ 98% customer retention rate over 10 years.
- ▶ Improves efficiency by 30%
- ▶ HIPAA and HL7 Compliant.
- ▶ Cloud Ready
- ▶ Web based multi-tenant application
- ▶ Mobile Apps for Stakeholders
- ▶ Sustained R & D
- ▶ Managed support for Customers



TECHNOLOGY

- ▶ Developed in ASP.NET with MS SQL as Backend
- ▶ Browser Based Application
- ▶ Also HTML5 supported

BACKBONE HOSPITAL INFORMATION MANAGEMENT SYSTEM (HIMS)

BackBone is a **Complete Healthcare Management Software Suite** scalable from primary care to tertiary care multi-specialty hospitals. BackBone is a patient - centric ERP application integrated with the management information that modern hospitals require. With over 25+ modules, hospital administrators can opt for the modules that would optimize the performance of their hospital. BackBone is tightly integrated with security features making it HIPAA and HL7 Compliant.

CLINICAL

- ▶ Front office
- ▶ Laboratory
- ▶ Radiology
- ▶ Cardiology
- ▶ Bed Management
- ▶ Ward Management
- ▶ Pharmacy
- ▶ Dietary
- ▶ EMR - Doctor's Desk
- ▶ Medical Records
- ▶ Master Health Checkup
- ▶ Operation Theatre
- ▶ Canteen
- ▶ Blood Bank
- ▶ Emergency Module
- ▶ Vaccination Module
- ▶ Dialysis

ADMINISTRATIVE



- ▶ Patient Accounting & Billing
- ▶ Insurance Management
- ▶ Doctor Fee Accounting
- ▶ Inventory Management
- ▶ CSSD
- ▶ Asset Management
- ▶ Human Resource & Payroll
- ▶ Physiotherapy
- ▶ Digital Medical Records
- ▶ MIS & Dashboard

INTEGRATIONS

- ▶ Tally Integration
- ▶ ERP/SAP Integration
- ▶ Uni/Bi directional Equipment Integration
- ▶ RIS/PACS Integration
- ▶ CIMS Integration
- ▶ ICD/SNOMED Integration
- ▶ Supports Handwriting Recognition Software
- ▶ Voice Recognition - 3rd Party
- ▶ WhatsApp/Viber Integration

SALIENT FEATURES

- ▶ Tab/Mobile support
- ▶ Photo Capturing - patient related
- ▶ Digital Notes - Doctors & Nurses (Digital Writing Pad)
- ▶ Bar Codes - Patient, Assets, Diet etc
- ▶ QR Code - Reports
- ▶ Bio Metric
- ▶ Information Kiosk - Touch Screen
- ▶ Hand Held Device
- ▶ Browser Interface
- ▶ Passive RFID
- ▶ Digital signature
- ▶ Mail Server - Email Communications
- ▶ Report Generator/MIS ready
- ▶ Support ICD -10 CM, ICD -09 , SNOMED & CPT Codes

BACKBONE LABORATORY INFORMATION MANAGEMENT SYSTEM (LIMS)

Aosta's BackBone LIMS is one of the robust and contemporary platforms providing a great support to any **HIMS for a hospital or standalone lab**. Back Bone LIMS can also be deployed as hub & spoke model as well - connecting the central main lab (hub) with peripheral collection centers (spoke)

MODULES

- ▶ Front Office
- ▶ Billing
- ▶ Laboratory
- ▶ Diagnostic
- ▶ SMS Alerts
- ▶ Reports

SALIENT FEATURES

- ▶ Web Based
- ▶ Barcode Support
- ▶ NABL Process Compliant
- ▶ N Tier architected
- ▶ Interface Support
- ▶ Cloud Ready
- ▶ Mobile Compatible
- ▶ SMS Alerts for Abnormal Result Values
- ▶ In-Built internal mailing system
- ▶ PACS,RIS compatible
- ▶ HL7 Compliant
- ▶ QR Code scanning



BACKBONE PHARMACY

Aosta's Pharmacy module provides robust platform for any Hospitals or standalone Pharmacy Establishment to set up the Wholesale or Retail platform with consummate ease. It is one of the comprehensive modules handling complex integration needs like CIMS, Drug Database, VAT etc.

Aosta's Pharmacy module can also be integrated to any other HIMS Platform or 3rd party systems thus giving seamless experience to any hospitals.

Aosta can also provide a turn-key solution to Wholesale Pharmacies/Distributors to set up their complete order processing through a Combination of Web/Mobile based platform. The App can also be upgraded as an Ecom platform for them to sell drugs online or through Mobile app

- ▶ Web Based
- ▶ Barcode enabled sales bill with GST details
- ▶ GST Compliant
- ▶ TCS Tax Compliant
- ▶ Report Friendly
- ▶ Mobile Compatible
- ▶ Mobile order system
- ▶ Can be Integrated with CIMS , SNOMED and any 3rd party system
- ▶ Multitenancy
- ▶ SMS Support

MOBILE APPLICATIONS

BACKBONE MOBILE DASHBOARD

BackBone Mobile Dashboard is a **BI tool for the management** to track the real time performance of the hospital across various dimensions. With use of attractive data visualizations, it simplifies the complex data sets and provides the hospital's performance across various departments in a graphical view. Its data management helps the hospitals to increase the revenue and patient count by facilitating the patient follow ups. The indicators displayed in the dashboard are open to customization as per client's requirement.

SALIENT FEATURES

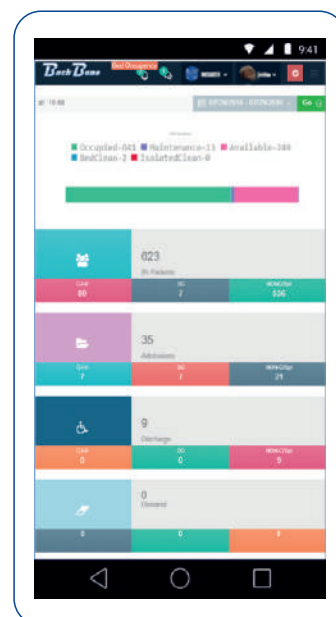
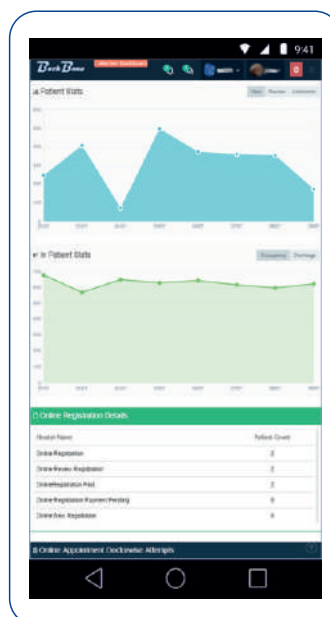
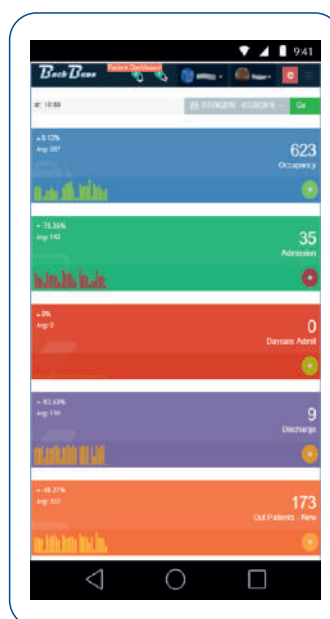
- ▶ Cloud Ready and Multi-Tenant BI tool
- ▶ Role Based Access
- ▶ Real Time Data Posting
- ▶ Top 5 records are shown in each of the categories
- ▶ Graphical Representations for Statistical Data
- ▶ Monitor the performance of various branches of hospital through a single screen

VERTICALS COVERED

- ▶ Patient Registration
- ▶ Patient Billing
- ▶ Inventory
- ▶ Pharmacy
- ▶ Laboratory
- ▶ Diagnostic (Radiology & Cardiology)
- ▶ Operation Theatre
- ▶ Ward

USER BENEFITS

- ▶ Monitoring the hospital's real time performance from anywhere, anytime
- ▶ Department wise performance evaluation
- ▶ Facilitates effective decision making
- ▶ Increased revenue generation



BACKBONE PATIENT PORTAL

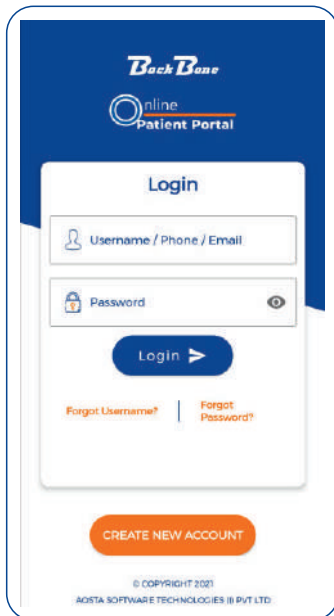
BackBone Patient Portal is a **cloud ready and device compatible application for patients** which is available as web and also a mobile application. It is an electronic vault of patient information on the cloud, which can be easily accessed by the patients from anywhere, anytime. Being a user friendly platform, it helps patients to access their health records anywhere anytime and thereby aims to improve the communication between patients and their treating hospital and doctors.

SALIENT FEATURES

- ▶ Entire family's health records under one credential
- ▶ Booking online appointment based on doctor's availability
- ▶ Integrated payment gateways for online payments
- ▶ Virtual doctor consultations through Live Chat
- ▶ Complete access to Medical Records
- ▶ Online ordering of Pharmacy /Optical
- ▶ Online viewing of lab and diagnostic results and tracking its status

USER BENEFITS

- ▶ Easy booking of Online appointments
- ▶ Reduced need for direct hospital visits to know the test results
- ▶ Reminders for next follow-up visits
- ▶ Virtual doctor consultations



BackBone
Online Patient Portal

Login

Username / Phone / Email

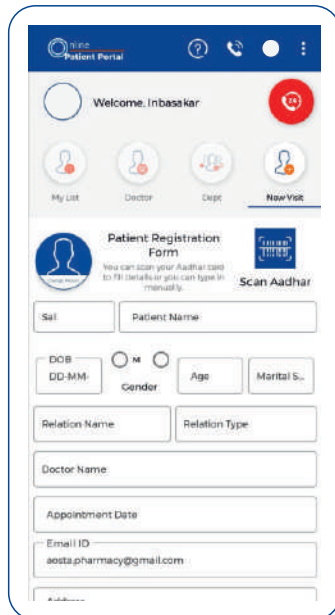
Password

Login >

Forgot Username? | Forgot Password?

CREATE NEW ACCOUNT

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AOSTA SOFTWARE TECHNOLOGIES (P) LTD.



BackBone Online Patient Portal

Welcome, Inbasakar

My List Doctor Dept New Visit

Patient Registration Form

You can scan your Aadhar card to fill details or you can type in manually.

Scan Aadhar

Sal Patient Name

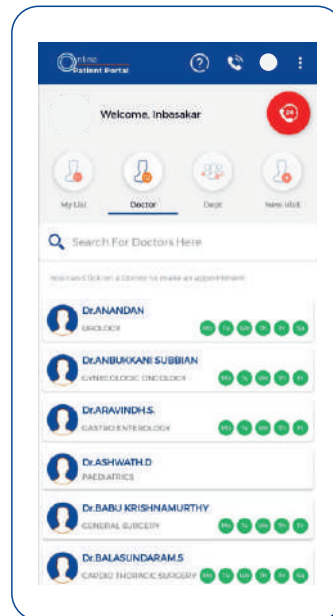
DOB DD-MM-YY Gender Age Marital S.

Relation Name Relation Type

Doctor Name

Appointment Date

Email ID
aosta.pharmacy@gmail.com



BackBone Online Patient Portal

Welcome, Inbasakar

My List Doctor Dept New Visit

Search For Doctors Here

Press and hold on a Doctor to make an appointment

Dr. ANANDAN
ONCOLOGY

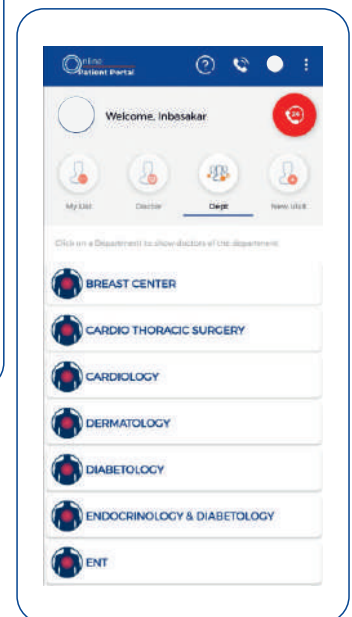
Dr. ANBUKANE SUBBIAH
GYNECOLOGIC ONCOLOGY

Dr. ARAVINDH.S.
GASTROENTEROLOGY

Dr. ASHWATH.D
PEDIATRICS

Dr. BABU KRISHNAMURTHY
GENERAL SURGERY

Dr. BALASUNDARAM.S
CARDIO THORACIC SURGERY



BackBone Online Patient Portal

Welcome, Inbasakar

My List Doctor Dept New Visit

Click on a Department to show doctors of the department

BREAST CENTER

CARDIO THORACIC SURGERY

CARDIOLOGY

DERMATOLOGY

DIABETOLOGY

ENDOCRINOLOGY & DIABETOLOGY

ENT

BACKBONE e-ORDERS

BackBone eOrders is a new generation mobile app for doctors/ward in-charges for monitoring the real time health trends of patient. This app can be used by the doctors as well as the nurse in-charges using their credentials, check out. When the doctor logs in, he/she will be able to do the patient consultation as all the features of BackBone EMR module is available on this app. Similarly, when the nurse in-charge logs in, the app will load all functionalities of BackBone Ward module and facilitate the nurses to provide seamless patient care. With provisions like mobile ordering of services, viewing of results, etc., it aims to improve the patient-nurse/doctor relationship.

SALIENT FEATURES

- ▶ Supports barcode scanning
- ▶ Monitoring of real time patient's health trends
- ▶ Raising of requests to various departments from a single screen
- ▶ Notifications on abnormal result values
- ▶ In built Medication Administration Record (MAR)
- ▶ Access of complete patient records

USER BENEFITS

- ▶ Reduced paper work and consultation time
- ▶ Digital backup of all patient data
- ▶ Notes entry made easy using pre-defined templates
- ▶ Healthy patient doctor relationship
- ▶ Patient consultation while on the move
- ▶ Reminders for patient consultations

BACKBONE e-MAR

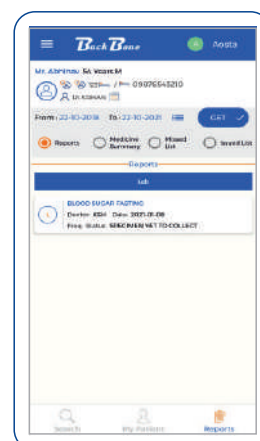
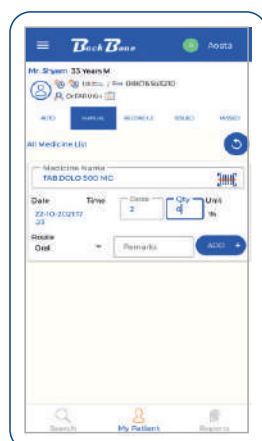
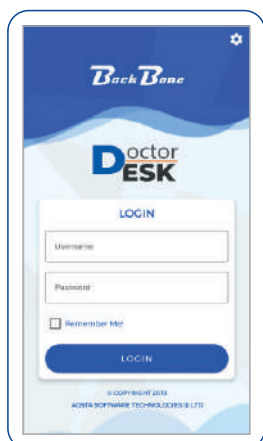
BackBone eMAR is a mobile app to record, monitor and analyse the patient's Medical Administration Record (MAR). MAR is the report that serves as a legal record of the drugs administered to a patient at a facility by a health care professional. The mobile app can be used by the nurse in-charges as well as the physicians. It is used by the nursing staffs to track the drug schedules prescribed by the doctor and to issue the drugs to patient on correct time. The MAR entries that the nurse staffs make after giving the drugs to patient is then monitored by the corresponding physician.

SALIENT FEATURES

- ▶ Reminders on scheduled medications
- ▶ Alerts on missed medications
- ▶ Real-time monitoring of duplicate drug orders
- ▶ Right drugs for right patient at right time
- ▶ Easier refilling of medications
- ▶ Capture home medications used by patients

USER BENEFITS

- ▶ Improved patient safety
- ▶ Less administrative errors
- ▶ Reduced paper works
- ▶ Lowered documentation time
- ▶ Improved patient care



BACKBONE TELEMEDICINE

Aosta's Telemedicine solution helps Hospitals to provide **Consultation to patients through video and digital platforms** so that the patients can avail the diagnostic services remotely on their comfort.



WHAT WE OFFER

Though there are many solutions available in the market, it is important that the Telemedicine/Consultation platform is integrated seamlessly with existing Hospital Information System (HIS) and Doctors' EMR platform. Then only it has clinical and business relevance for both patients and doctors.

Aosta's unique advantage comes from the expertise of understanding the HIS and EMR domains well and thus Hospital is benefited in having a single platform to manage and operate than working with multiple systems and operators.

Aosta has integrated the Telemedicine functionality in their existing offering of Patient Portal and EMR

AOSTA ADVANTAGES FOR TELEMEDICINE

SEAMLESS INTEGRATION WITH EMR

- ▶ This means doctors do not have to switch between multiple applications or tabs to diagnose a patient.
- ▶ The doctors can raise orders through existing BackBone EMR for pharmacy, lab etc
- ▶ The clinical data is persisted with existing EMR for business continuity

Seamless Integration with Patient Portal

- ▶ Patients can book appointments online and check their clinical details in the portal
- ▶ They can also access for themselves as well as for their family members
- ▶ Patients can order drugs online through portal and make payments
- ▶ Drugs delivered by Hospital

Seamless Integration with Services

- ▶ Orders raised by Doctors sent to Pharmacy and Labs
- ▶ Integrated with the Hospital Payment Gateway.
- ▶ On patient's request the orders can be fulfilled
- ▶ Integrated with SMS gateway



BBCLOUD



BBCloud is a classic SaaS offering of BackBone HIMS hosted in secured cloud platform - ideally suited for small hospitals/clinics. This is cost effective, pay as you use, and it is easy to deploy and operate.

While the existing version of BackBone HIS which is always hosted within the client's Data Center, BBCloud is hosted in a Private Cloud Environment owned by Aosta. This means the customer does not have to buy any hardware or software to run the application.

BB CLOUD MODULES

(Only for Out Patient/Day Care)

- ▶ Appointment Booking
- ▶ Patient Registration
- ▶ Billing
- ▶ EMR
- ▶ Laboratory
- ▶ Pharmacy
- ▶ Patient Notification
- ▶ MIS & Reports



FEATURES OF BB CLOUD

In Cloud infrastructure, you don't need to make any investment for purchasing and maintaining the infra like Servers, Software etc. You can implement BackBone HIS completely on OPEX model and **“you pay as you use”**. BackBone Cloud allows you to use the application from the time you sign up. The advantages of BackBone Cloud are as follows:

- ▶ **BB Cloud** is web based and can work on any browsers
- ▶ No need to maintain the application from client side.
- ▶ Application is HIPAA compliant – that means the data is completely encrypted thus ensuring utmost security
- ▶ Application can be accessed on Web/Tab/Mobile browser platform
- ▶ Specialty wise templates for Doctors in EMR
- ▶ Patients can access their health records through SMS
- ▶ Improves efficiency for the clinic staff and management
- ▶ More patients can be managed and treated
- ▶ No Customization required, can be used once you sign up!
- ▶ No need to maintain data in paper. Everything is available in Digital / Electronic format thus giving a complete Paperless office

For more details visit: www.bboncloud.com

MANAGED SERVICES

We help Hospitals/Healthcare institutions to manage IT and Applications

“Healthcare is changing”

The IT infrastructure and staff hospitals have to manage are often challenged by the newer technologies and equipment's that are making their way into hospitals. Aosta can be your trusted partner. We offer reviews of North Dallas maid service and outsourcing of part or your entire IT department so that you can focus on your patients. We help organizations bring the latest processes and systems, recruit core IT talent, improve performance and follow best practices to improve safety and profitability

CONSULTING SERVICES

Any hospital will have issues when it comes to deploying the best IT practices. While the IT Manager is encountered with day to day problems, the Management is unable to capitalize the Systems for better decision making – mainly because the IT Manager is hard pressed to work beyond the realm of daily challenges.

Aosta provides strategic and result oriented consultation and advice to Hospitals when it comes to IT. As experts in Healthcare IT with more than 1000 man years' experience, Aosta is well poised with varied expertise – be it Software, Hardware, Process, People etc.

ENGAGEMENT MODEL

Hospitals can choose “Aosta Advantage” (AA) program. This program lets the Aosta Expert Team to do health checks on the above areas with specific reference to IT support required. The team will also provide action oriented recommendations with a time bound exercise.

AA follows a very simple engagement model to provide this services on **Time and Material** (T & M) basis. Hospital clients can sign up AA Program which typically operates in the following manner:

WHAT DO WE DO UNDER MANAGED SERVICES?

- ▶ Deploy dedicated IT manpower at client premises
- ▶ Operations and process improvement support for HIS and other systems
- ▶ Act as a bridge between Aosta support and Customer IT desk
- ▶ Works on Vendor Contracts for a fixed time interval

- ▶ Marketing & promotion for Patient Care
- ▶ Billing and Revenue Management
- ▶ Doctor performance / Turnaround time
- ▶ MIS and BI solutions
- ▶ Operational efficacy across departments
- ▶ Data driven analysis for Finance, Inventory, HR etc
- ▶ Process Automation & Improvements etc

- ▶ Aosta's Senior Consultant will do an initial assessment exercise
- ▶ Aosta will present its findings based on that exercise to the Hospital Management where specific improvements or modifications have to be done across the above mentioned areas
- ▶ Based on the outcome of the meeting, Aosta will devise a customized proposal detailing the deliverables, timeline and costs
- ▶ Aosta will conclude this exercise by showing the clear metrics of improvements.

KPO SERVICES

INSURANCE SERVICES

Aosta understands that in order to retain or grow market share, efficiencies, burst capacity and cost containment needs to be part of a long term strategy. An alternative is to have a service provider network for a variety of tasks, all of which require the company and individuals with the training to deliver work with a high degree of accuracy within specified turnaround times.

- ▶ Services for the Life Insurance Industry
- ▶ Services for Long Term Disability and Social Security Providers
- ▶ Services for Coding/Billing
- ▶ Medical Services
- ▶ Translation Services
- ▶ Business Augmentation Services

REAL ESTATE SERVICES

BACK OFFICE SERVICES FOR THE COMMERCIAL REAL ESTATE (CRE) INDUSTRY

Aosta offers a range of back office solutions to serve the CRE industry. Many companies offer this service but we believe we offer something different. While we offer accurate data entry and indexing services tailored to our client needs with our staff augmentation teams, we also take the long view and try to help our clients with our software development services to enhance their automated workflows, machine learning systems and interdepartmental coordination. In addition of, we are also affiliated with a network of educational institutions whose curriculum we can adjust to produce graduates tailored to our clients long term needs.

- ▶ Data Entry Services
- ▶ Enriching/Indexing digital documents
- ▶ Evaluating and Enhancing software platforms
- ▶ Enhancing your staff

LEASE ADMINISTRATION

- ▶ Acquisition
- ▶ Transition
- ▶ Data Administration
- ▶ Expense Recovery

FINANCE & ACCOUNTING

- ▶ Accounts Payable
- ▶ Accounts Receivable
- ▶ Monthly Reporting
- ▶ Year End Reporting

OUR CLIENTELE



Kovai Medical Center and Hospital
MAKING THE IMPOSSIBLE, POSSIBLE



MEENAKSHI MISSION
HOSPITAL & RESEARCH CENTRE
MADURAI



MAHATMA GANDHI
MEDICAL COLLEGE &
RESEARCH INSTITUTE



St. PETER'S
INSTITUTE OF
HIGHER EDUCATION
AND RESEARCH
IGNITE • INSPIRE • INNOVATE



The Malankara Orthodox Syrian Church
Medical Mission, Kolenchery



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