



Shreay Technology & Entrepreneurship Skills solutions Pvt. Ltd.

(ISO Certified 9001:2015)

Introduction

To

Locus 1.0

Version 1.0

INTRODUCTION:

In today's world, Healthcare domain is one of the most complex, fast paced and complicated. Due to large number of patients, every medical practitioner needs to handle vast amount of data. In view of enormous and variety of data, it is necessary to make best use of available technology to handle, manipulate and maintain data seamlessly without compromising on accuracy and availability of data, irrespective of data size.

By implementing technical solution, we can ensure proper patient management that helps to bring transparency and thus improves credibility.

Hence, we would like to propose planning and implementation of Locus 1.0 with following Objectives:

- Automated System with patient detailed information.
- In detail reporting with analysis facilities.
- Easy and secure information availability and access
- Provision for Billing and expense management module with reporting.

BACKGROUND:

In order to provide effective medical examination, information management and proper presentation of gathered data is critical and time-consuming process. To serve better, every Medical Examiner tries to maintain all available information, this generally happens in Paper form, which does not ensure reliability and quick access. Also it is difficult to maintain all information regarding every patient. Along with this main limitation, every medical examiner faces following difficulties in his day-to-day operations which affects on productivity.

- Scheduling and planning
- No Analysis and reporting tools
- No billing system
- Manual report generation is time consuming and error-prone
- All Pre-printed stationery becomes obsolete in case of any changes
- Maintaining hard-copies of generated reports becomes tedious and space consuming.
- Deprived Information availability makes searching and locating patient's previous records difficult and lengthy procedure.
- Difficult to maintain data for Annual Report generation
- Manual delivery of certificates is costly and time consuming.

LOCUS 1.0 FEATURES:

Locus 1.0 intends to provide simple work environment which will answer most of problem faced by any Medical Examiner in their day-to-day operations.

- ❖ Quick and easy information availability
 - Every available chunk of data is stored digitally, results high availability.
 - All information like Patient's profile, test result, referring organization etc are stored permanently.
 - Search and navigation of records based on Patients ID/ Name /organization etc.
- ❖ Input once and multiple use
 - One time information feeding which can be reused multiple times.
 - Patient's profile, company profile needs to be created once which can be referred in future.
 - Patient's medical history and family details can be reused from previously generated reports.
- ❖ One click reporting
 - After completing data entry, medical certificate will be generated with just a click.
 - Along with fitness certificate, all corresponding investigation reports will be queued for printing as well.
 - Previously generated reports can be searched and printed with just a click.
 - Individual organization-wise annual report can be generated on a click.
 - In depth daily summary report will be generated at the end of the day.
- ❖ Highly customizable reports
 - In Locus 1.0 every report is customizable in many ways.
 - Structure and content of report can be altered effortlessly.
 - Default values for every report are user-customizable.
 - Normal & abnormal test results values differentiated in reports.
- ❖ Easy accounting
 - Balance sheet report, by selecting from and to date.
 - Automatic ledger balance update as per the report generation.
 - Customizable pricing for individual report for better accounting.
- ❖ Comprehensive billing
 - In detail, automated bill will be generated on organizational level.
 - Individual candidate-wise segregation of every bill will be available.
 - Received payments from organization will be available against corresponding bill automatically.
 - Receipts will be generated against every bill (If Required).

- ❖ User friendly GUI
 - Easy to use, no user training required.
 - Minimal data entry, pre-specified default values and use of patient's historical data makes Locus 1.0 quick and less error prone.
 - Data entry validation and printer formatted reports.

- ❖ Unique web portal access for clients
 - After successfully completion of examination by candidate, mail will be sent to respective organization.
 - Online reports download will be provided by unique web-portal in Locus 1.0 to organization using their login credentials.
 - Using Locus 1.0 portal, organization can schedule appointment for their candidates.

- ❖ Real time examination tracking
 - Locus 1.0 dashboard allows access to ongoing patient's examination.
 - It will also display monthly summarized graphical representation of statistics like patients count, organizational details etc.
 - Auto alerts about certificate expiry prior 15 days (User Configurable).

- ❖ High Security
 - Application level security will be provided by user login credential.
 - Administrator can set individual user access privileges is required.
 - Locus 1.0 being web-application, uses remotely located secure server storage providing additional level of security.

LOCUS 1.0 BENEFITS:

➤ Daily operational convenience

Locus 1.0 can greatly improve the quality and efficiency of certification and reporting process. By keeping internal process running smoothly, Locus 1.0 can lead to better outputs those benefits Medical examiner such as better client service and reliable certification process.

➤ Day to day Cost-effectiveness

All certificates and reports are digital, hence no need to maintain hard copies for examiner's reference and same digital copies can be sent to referring organizations, resulting less carbon footprints and go green initiative. Digital reporting saves cost and time for courier services and eliminates risk of in-transit damage.

➤ Computerized billing and accounting

On completion of physical examination, detailed bill will be generated. Payments made by individual organization will be managed and receipt provided against their respective bills. User can check payment dues of individual organization.

➤ Ensures Data accuracy & integrity

Minimal data entry and validations ensures accurate data entry resulting more credible report. Validation for certification generation makes sure that all recommended procedures are performed.

➤ Standardized formatting throughout reports

Every report and certificate will be created with same font and size, structure and page layout which gives unified look. Every report in Locus 1.0 is customizable adding flexibility while reporting.