



Custom Application Development a case study

Response

Kraxis adopted the step wise approach to target the client's problem. The team started with a visit to the hospital for requirement analysis and evaluating the current work process, information flow and controls. Through infrastructure evaluation helped in the process understanding in the OPD, labs, wards, rooms, out door, reception and other facilities present within the hospital. Discussions were held with the in charge of each facility to understand their problems and pains. A detailed requirement set was gathered for further analysis and consolidation.

The team worked on all the critical points in the data flow between different departments to avoid any redundancies. A final report with detailed analysis of requirements was shared with the management for final approval.

Background

One of the clients approached Kraxis with a vague problem set of the different manual processes that he wanted to be replaced with the automated modules for his medium size hospital facility.

Challenge

- Need to find out the exact requirements of the client so that Kraxis could be in a better position to suggest him the best possible solution to his problem.
- Analysis of the requirements and the current work process, suggesting different inter-related and independent modules.
- Evaluating current information flow, controls and procedures. Designing and developing a comprehensive, cost effective and technology efficient solution.



Once approved, the team opted for evolutionary SDLC model for implementation because client wanted an active involvement with the team in the development process. Java platform was selected for cross platform compatibility. A prototype system was developed within a month and a beta version was installed for user acceptability testing.

After a successful deployment and post deployment training, the team supported the client online to provide support and maintenance.

Analysis

With the working model followed to target this problem, Kraxis team successfully ended up with another satisfied customer.

- A field visit approach helped in finding the real problems faced by the users.
- It helped in translating the exact problems into a comprehensive set of requirements that can be easily followed to design the architecture.
- Client was actively informed of the development and could easily add on his remaining requirements without bothering the existing architecture.
- Usability testing helped the users get acquainted with the system as well as report any anomalies.

Conclusion

Krasis team has successfully deployed the system to their client ensuring quality with creativity. The CAD team helped its client from overall business evaluation to the concrete level of solution implementation.

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