

# Conclusion & further work

### 8.1 Introduction

The previous chapter described the evaluation of the IPS-IRD system by received result on the prototype of the implemented system from the stake holders and from the users. This chapter includes the conclusion and further enhancements of the system.

### 8.2 Conclusion

The identified solution for the problem according to the objectives and user requirements will be an automated system with easy interactive function to process new tax-information received to the department limiting the scope to the interaction between Information Branch & corporate-tax branches. Basically, IPS-IRD system aimed to achieve the goals simply as, store all received information in a central server, maintain file allocation details and user details, distribute information to the end users, keep information as secret details, collect performance of new information , review the progress and get reports.

IPS-IRD system will be the best solution as an initial system for IRD users. The system implemented was accepted by users as a simplified, easy accessible, effective and time managed system which achieved their main requirements. Designed GUIs using limited colors and simple background developed as user interfaces accepted by the users happily. So, the final output of IPS-IRD system can be described as user friendly, time consumed and pretty software development for the Department of Inland Revenue.

### 8.3 Limitations of the project goals

Desirable functional requirements which listed down in software requirement specification were not implemented in the IPS-IRD system, as per the time limitation of the project development period. But it was not aroused any clash or any limit of the efficiency of tax-information handling process because those requirements were separated from the main process which aimed to implement the part only to print pre formatted forms usually used in existing system also.

#### 8.4 Suggestions to overcome limits of goals

The desirable functional requirements can also be implemented in a short period adding external information root list as a table of the main database and giving permission to Deputy Commissioner (information) to access the database and issue letters to the identified roots calling new details. And the next desirable requirement can be implemented attaching the pre formatted 1 V form with the facility of print documents given authority to the users who involved to the process.

#### 8.5 About the limit of scope of the proposed system as to project proposal

The scope of this project is limited in the first stage, to implement a software system to interaction between the Information branch and the Corporate Tax Branches instead of Personal Tax Branches. Hence not yet connected regional branches to the network of the department still the developer cannot give physical connection of the IPS-IRD system to regional branches.

#### 8.6 Problems faced up to implementation

In early stages, there were some technical problems occurred. During the analysis and design phase, few problems occurred due to various reasons. The following table shows the important problems occurred and how the problems solved.

Problem	How to gather required hardware and software for the implementation of the product with lack of knowledge to me on technologies?
Solution	With the help of colleagues, gathered the cost beneficial hardware and software.
Problem	Will this system affect the job risk when re-engineering the process?
Solution	Certainly not. Because, the reducing amount of employee level of tax officers will be attached to many branches which workload on over headed.
Problem	How to identify real use cases and activity diagrams?

Solution	Designing use case diagrams and activity diagrams more times and having comments from the supervisor, identified the actual design.
Problem	Will it affects the user interaction with user interfaces when designing common user interfaces for more user groups?
Solution	Certainly no. Under the evaluation and testing of the system, identified that any user groups could identify how to interact with the GUI using the role of them.
Problem	How to identify is there any relationship of a new tax-information to non related to an existing tax file when designing the database and in implementation.
Solution	Identified no other way of using random selection of Assessors assigned to the Information branch.
Problem	How to do implementation with lack of programming languages?
Solution	Learned PHP language as a beginner to a programming field with the help of my colleagues.

Table 8.1: Problems & solutions up to implementation

### 8.7 Further work to be carried out

Future enhancements that can be incorporated to the system comment as follows.

- The proposed system was almost completed in order to objectives of user requirements using minimum background facilities, but it can be enhanced connecting the Personal Tax branches, Value Added Tax Branch, Economic Service Charge Branch and Payee Branch to the IPS-IRD system to fulfill the requirements similar to those branches. This feature can be modified as further enhancement. The department has to open the LAN network to internet. Any further cost will not be aroused to enhance the system function, because of no further cost for design the enhancement.
- The system can be enhanced to receive tax-information from external institutes or citizens directly, if the department expands the department web site with the facility to log to the web site.

## 8.8 Summery

In this chapter, conclusion of the final product was discussed. As per to developer's knowledge to implement a software to develop a system, a successful product was delivered to the client.



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