8. CONCLUSION AND DISCUSSION

8.1 SELF ANALYSIS OF PROJECT VIABILITIES

This project currently satisfies and works according to the special requirements of the client's Web application and as it is exclusively applicable and used for a single special organization to satisfy their specific needs and functionalities, it is completely viable and feasible for use in a user friendly manner with the best possible performance and it is also flexible for future enhancements or suitable and appropriate changes.

8.2 PROBLEM ENCOUNTERED AND POSSIBLE SOLUTIONS

1. The downloaded excel file containing the queried client scanning reports details by a WAF is not displayed to the user as being downloaded & runs in background.

   Solution: To overcome this problem, I have redirected the output of the script
   To the user's browser so the user is now able to review the download
   Process and the file location.

2. The mail containing the new password associated with the 'forgot password' module is not sent to the student's email id.

   Solution: To overcome this problem, instead of using the basic simple "mail ()"
   Function of PHP, I have used a special PHPMailer facility that allows
   The mail to be sent from the script.

8.3 SUMMARY OF PROJECT WORK

The project work can be summarized as follows:

1. The first important thing was the gathering of the specific requirements of the WAF and their necessities.

2. Then, thorough analysis of the gathered requirements at its depth.

3. Next, it was essential to identify and resolve possible risks associated with the requirements and the risks were resolved as and when they cropped up.

4. The next thing was the transformation of Analysis into design .i.e. a function oriented design and it too involved a deeper and significant understanding of the requirements.

5. Then thorough analysis of the OWASP top vulnerabilities of web application & perform as well and also learn how those attack vector will work on web application.

6. Then worked on WAF how to configure between web server 7 end users.

7. Perl compatible REGEX signature development on WAF box on mod security.

8. Then was the implementation phase where the components of design were implemented using PHP and MYSQL

9. Then was the evaluation of the implemented requirements and coping and reimplementation of the required changes.

10. Finally, after the implementation of the complete product, it was evaluated as an integrated single product and the required changes were manipulated.

11. At last, the documentation of the project work was carried out.

Hence, the project is ready for use in a user friendly manner.