

DEVELOPING AN ONLINE CERTIFICATE ISSUING SYSTEM

V.Rajaratnam

Postgraduate Institute of Science, University of Peradeniya, Sri Lanka

This report presents an 'Online Certificate Issuing System' to automate the manual certificate issuing process for 'Grama Servaka Officers' offices (GSO offices) in the Divisional Secretariat of 'town and gravets' in Trincomalee district.

As it is a web based system, it helps to transfer prepared certificate between grama servaka officers and divisional secretary in online basis for approval and back to GSO office to take printout and issue the Certificate. Required forms and the signature of the DS are already saved in to the System. GSO prepare a certificate and submit to send it to the DS. DS load the prepared certificate and put his signature and approved date on specific places and submit to send back to the GSO to issue the Certificate. After the approval the respective GSO can load the Certificate on his computer screen and take printout. GSO put his signature and the Official seal on the Certificate and issue it to the Household Member. Issued certificates details will be saved in the System.

It reduces time delay and work load for GSO caused by the existing manual work to issue an approved certificate to a household member. Further the System provides facilities to maintaining the data fed in to the System and can produce many useful reports for grama servaka officers and the Divisional Secretary (DS). The System provides message passing facility between users of the System to contact one another at any time and also have email facility. System provides interfaces to data entry and data maintaining with appropriate links on every pages including flash menu in some needed interfaces to travel from page to page. GSO and DS are main users of the System in issuing an approved certificate and a household member can use the System to request the respective GSO to issue a certificate.

As it helps to reduce work load of GSO it increases efficiency of work done by GSO offices.

By using the reports produced by the System DS and GSO could be able to analyze certificates issued in GSO divisions.

The system is tested with suitable test data to conform its correct functionality and it was found that the system work correctly and accurately.