THE BUILDING OF HYPERTEXT TRANSFER PROTOCOL SERVER

Dr C K Gomathy, Assistant Professor,

Department of CSE, SCSVMV University, Kanchipuram.

Abstract

The primary function of a HTTP server is to deliver HTML pages to clients. This means delivery of HTML documents and any additional content that may be included by a document, such as images, style sheets and JavaScripts.A client, commonly a web browser or web crawler, initiates communication by making a request for a specific resource using HTTP and the server responds with the content of that resource, or an error message if unable to do so. The resource is typically a real file on the server's secondary memory, but this is not necessarily the case and depends on how the web server is implemented. While the primary function is to serve content, a full implementation of HTTP also includes a way of receiving content from clients. This feature is used for submitting web forms, including uploading of files. The Scope of our project is to build a HTTP server which respond to the client's HTTP request and send the data to the client.

Keywords: HTTP Server, Server responding service, web server management system.

I. INTRODUCTION

A HTTP File Server to send and receive. It's different from classic file sharing because it uses web technology to be more compatible with today's Internet.It also differs from classic web servers because it's very easy to use and runs "right out-of-the box". Access your remote files, over the network. HTTP is typically used for distributed information systems, where performance can be improved by the use of response caches. The HTTP protocol includes a number of elements intended to make caching work as well as possible. Because these elements are inextricable from other aspects of the protocol, and because they interact with each other, it is useful to describe the basic caching design of HTTP separately from the detailed descriptions of methods, headers, response codes, etc.

Caching would be useless if it did not significantly improve performance. The goal of caching in HTTP/1.1 is to eliminate the need to send requests in many cases, and to eliminate the need to send full responses in many other cases. The former reduces the number of network round-trips required for many

operations; we use an "expiration" mechanism for this purpose. The latter reduces network bandwidth requirements; we use a "validation" mechanism for this purpose.

II. EXISTING SYSTEM

- Time consuming is high while delivering the pages to clients. It used for only sending and receiving of HTML pages
- Information is not too secure because there is no authentication in existing system
- Possibility of Hacking is very high.

Drawbacks Of Existing System

The existing system cannot provide more security. In existing system, the requesting details cannot be viewed .Only sending and receiving of HTML pages can be done.

III. PROPOSED SYSTEM

Authentication has been implemented hence hacking can be reduced. And by giving a unique port address the clients can easily access. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards. By implementing the socket method time consuming had been reduce. More security provided. It not only used to recive only HTML pages but also ASP, etc.

Advantages of Proposed System

Because of implementing Authentication, server is highly privacy only authorized user can access it. By giving unique port address, clients can easily access the server.

IV.DESIGN AND IMPLEMENTATION

After software requirement specification and the analysis report were done the next vital step was to development of the system design

The following modules used in this paper

- Authentication module
- Administration module
- Core module
- Report module

MODULE DESCRIPTION

- **Authentication module**

  In this module, we are implementing authentication for every web browser by giving unique username, password

- **Administration module**

This module mainly indicates the servers which have a collection of HTTP page. This will proceed the function according to the request of the client

- **Core module**

In this module, the client commonly the web browser initiate communication by making a request for a specific resource using HTTP and the server responds with the content of that resource

- **Report module**

In this module HTTP server response to the client's HTTP request and send the data to the client.

There are two architectural design available in the computer industry they are

- Pc based architecture or standalone system
- Network based architecture

A graphical tool used to describe and analyze the moment of data through a system manual or automated including the process, stores of data, and delays in the system. Data Flow Diagrams are the central tool and the basis from which other components are developed. The transformation of data from input to output, through processes, may be described logically and independently of the physical components associated with the system. The DFD is also know as a data flow graph or a bubble chart.

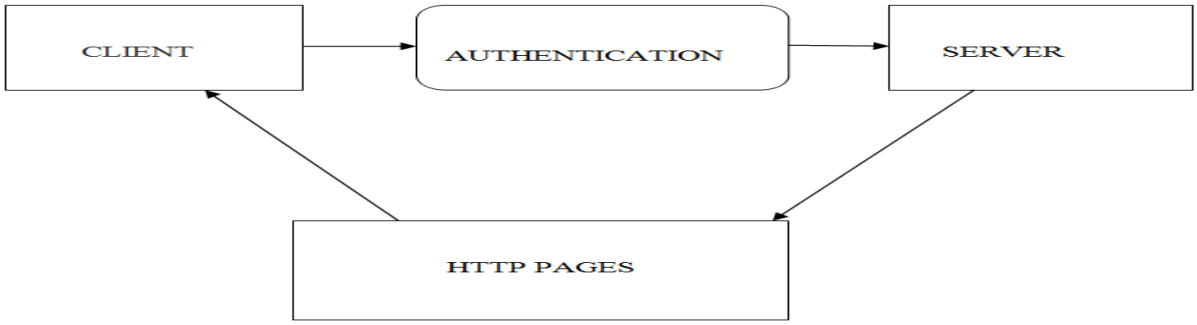


Fig 1: Process Flow diagram

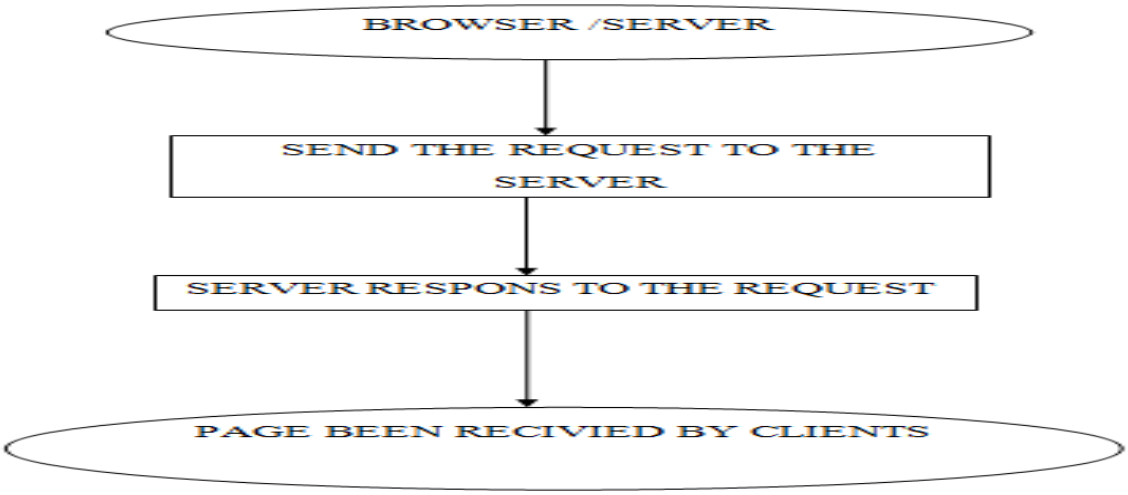
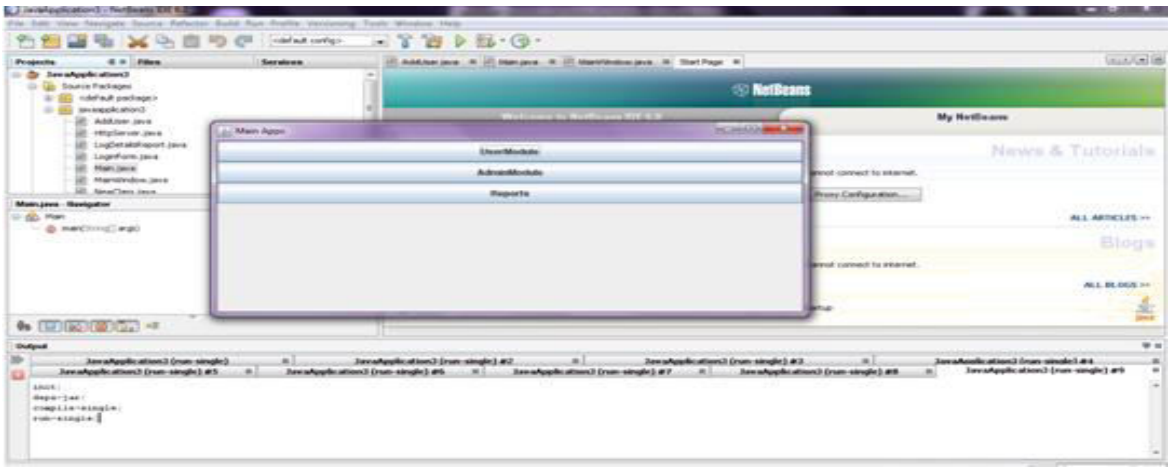
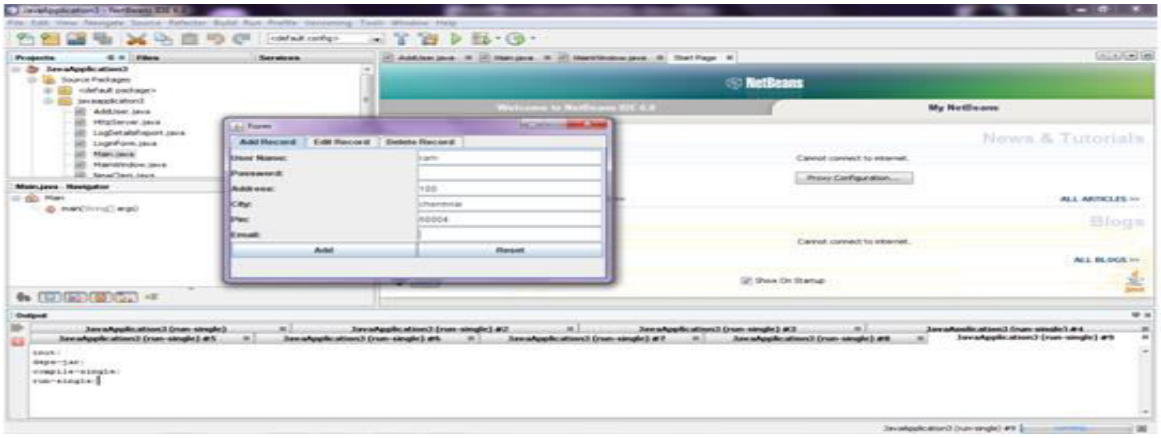


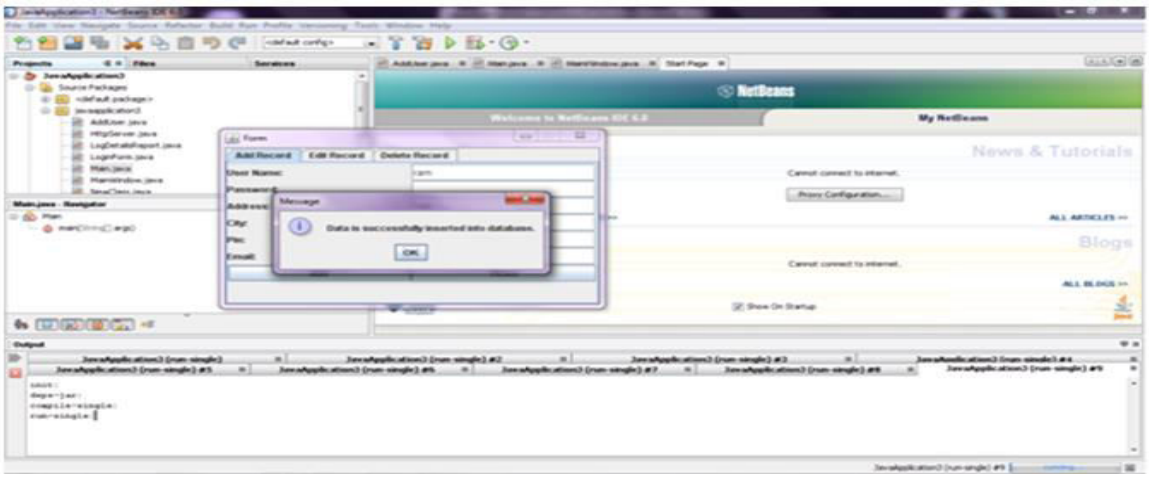
Fig 2: Web Server Process diagram

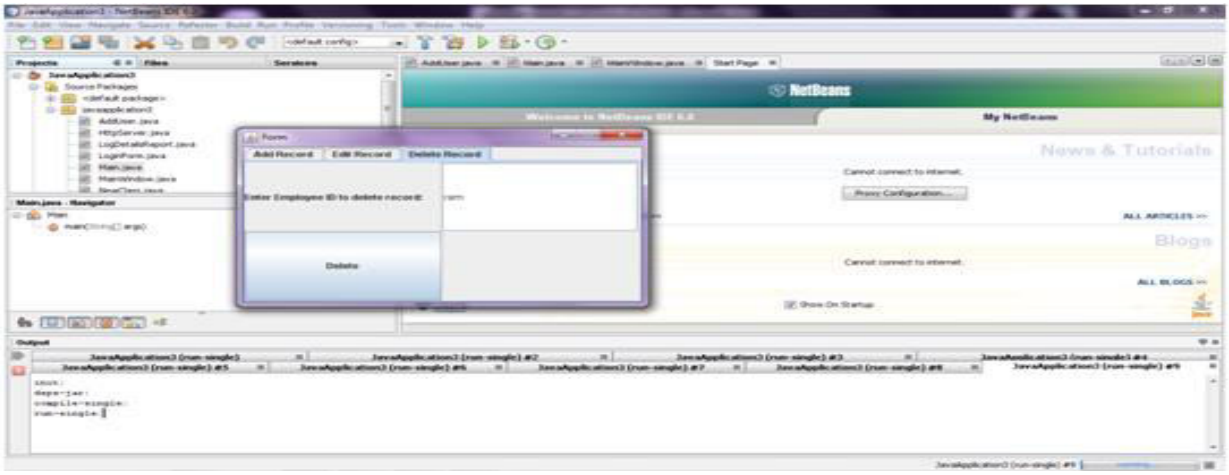
V.REPORTS

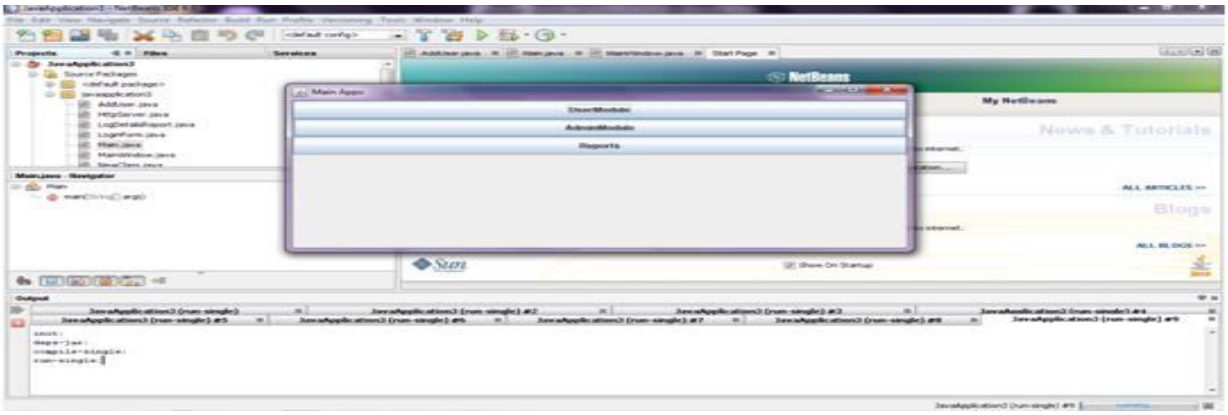
I strongly hope that my work will serve a good purpose and ensures HTTP server which respond to the client's HTTP request and send the data to the client. The working processes are given below stepwise:

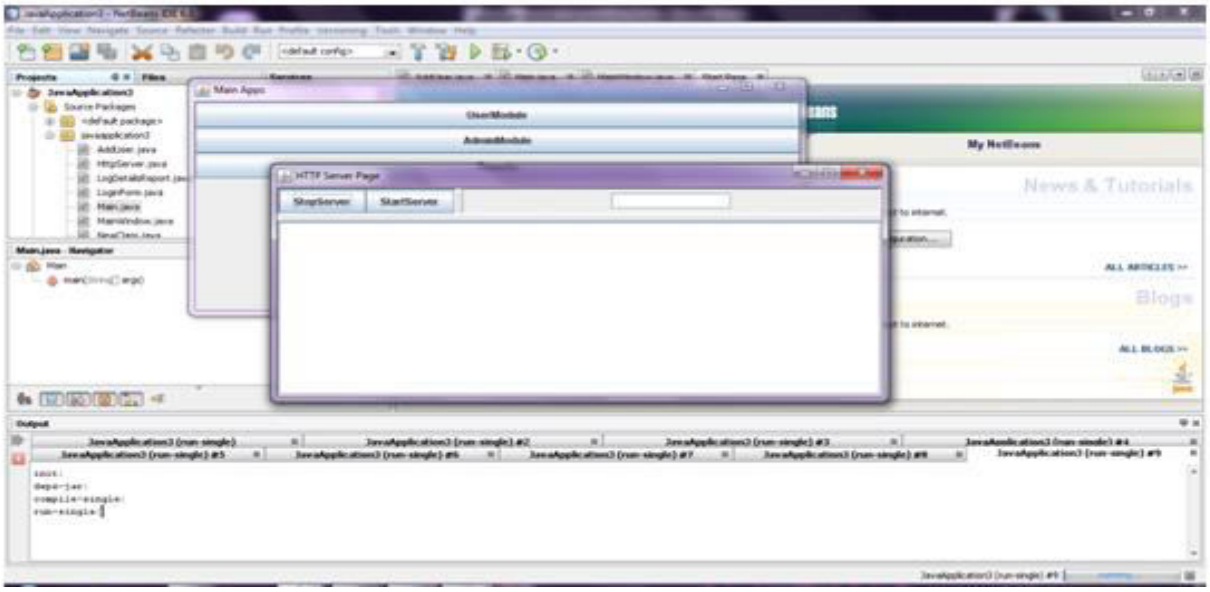


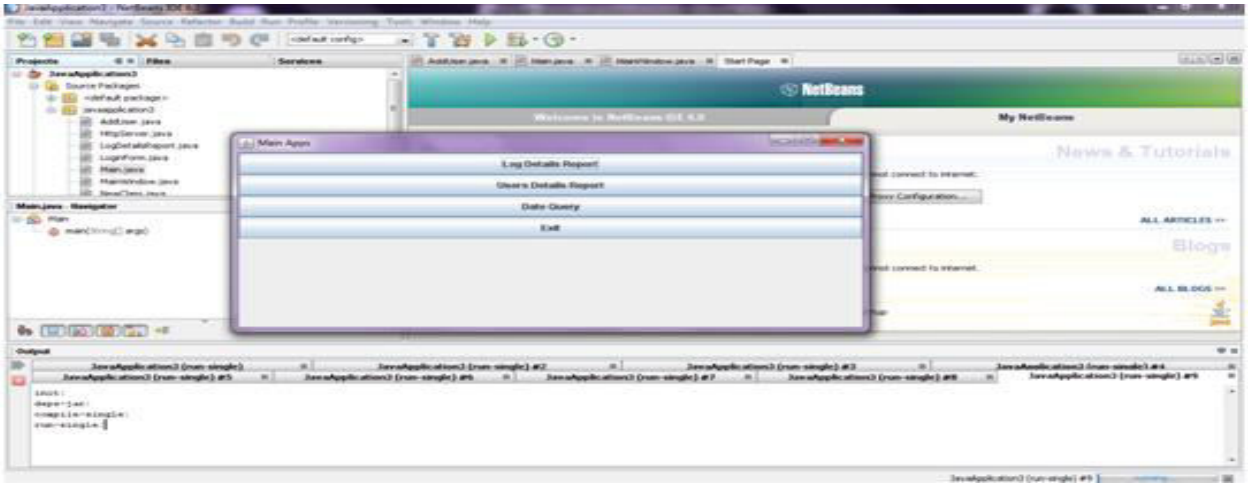


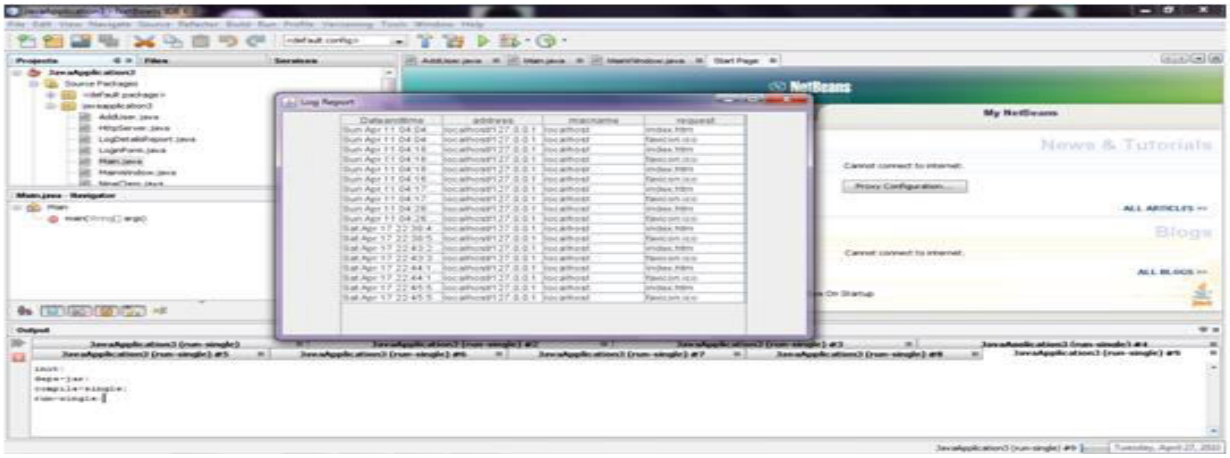


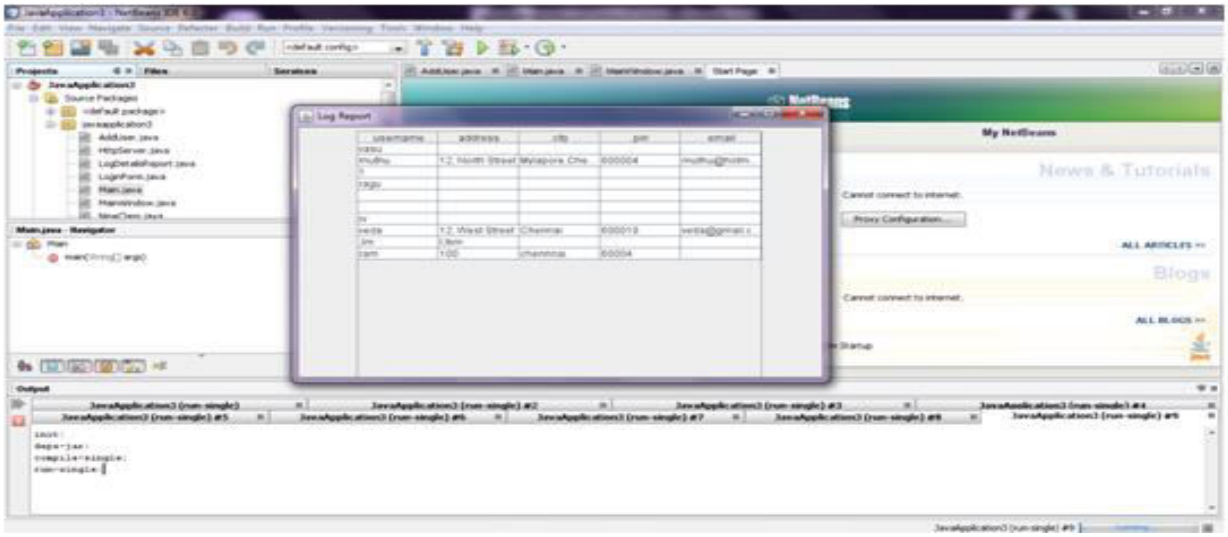







Main Apps
Log Details Report
Users Details Report
Date Query
Exit


Log Report


Log Report

VI.CONCLUSION

This paper develops BUILDING OF HTTP SERVER IN JAVA, which is a small intranet server and used for clients to receive HTML pages. The application software has been computed successfully and was also tested successfully by taking test cases. It is user friendly and has required options, which utilized by the user to perform the desired operations. The software is developed using JAVA as front end and access as back end in windows environment.

The goals that are achieved by the software are

- Authentication is provided hence the authorized users can only able to access
- Response for client is very fast
- All server pages like HTML,ASP etc can access

To avoid the drawbacks of existing system, the proposed system is also used to get the information but with some security implemented with it Authentication has been implemented hence hacking can be reduced. And by giving a unique port address the clients can easily access.

The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards. By implementing the socket method time consuming had been reduce. More security provided. It not only used to recive only HTML pages but also ASP, etc.

VII.REFERENCES

1. Dr.C.K.Gomathy , Y.Saranya , G.Vanisree , N.Yaswanthi Article: A Privacy Protection Mechanism for Mobile Online Social Networks ,Published by International Journal of Advanced Engineering Research and Science (IJAERS), Vol-3, Issue-4 , April- 2016] ISSN: 2349-6495

2. Dr.C.K.Gomathy , K. Bindhu sravya , P. Swetha , S.Chandrika Article: A Location Based Value Prediction for Quality of Web Service, Published by International Journal of Advanced Engineering Research and Science (IJAERS), Vol-3, Issue-4 , April- 2016] ISSN: 2349-6495

3. Dr.C K Gomathy, Article: An Effective Innovation Technology In Enhancing Teaching And Learning Of Knowledge Using Ict Methods, International Journal Of Contemporary Research In Computer Science And Technology (Ijcrcst) *E*-Issn: 2395-5325 Volume3, Issue 4,P.No-10-13, April '2017
4. Dr.C K Gomathy, Article: A Semantic Quality of Web Service Information Retrieval Techniques Using Bin Rank, International Journal of Scientific Research in Computer Science Engineering and Information Technology (IJSRCSEIT) Volume 3 | Issue 1 | ISSN : 2456-3307, P.No:1563-1578, February-2018
5. Dr.C K Gomathy, Article: A Web Based Platform Comparison by an Exploratory Experiment Searching For Emergent Platform Properties, IAETSD Journal For Advanced Research In Applied Sciences, Volume 5, Issue 3, P.No-213-220, ISSN NO: 2394-8442,Mar/2018
6. Dr.C K Gomathy, Article: A Study on the Effect of Digital Literacy and information Management, IAETSD Journal For Advanced Research In Applied Sciences, Volume 7 Issue 3, P.No-51-57, ISSN NO: 2279-543X,Mar/2018
7. Dr.C.K.Gomathy, A.V.Sripadh Kaustthub, K.Banuprakash, Article: An Effect of Big Data Analytics on Enhancing Automated Aviation , International Journal Of Contemporary Research In Computer Science And Technology (Ijcrcst) *E*-Issn: 2395-5325 Volume 4, Issue 3,P.No-1-7.March -2018
8. Dr.C K Gomathy, Article: A Semantic Quality of Web Service Information Retrieval Techniques Using Bin Rank A Cloud Monitoring Framework Perform in Web Services, International Journal of Scientific Research in Computer Science Engineering and Information Technology IJSRCSEIT | Volume 3 | Issue 5 | ISSN : 2456-3307,May-2018
9. Dr.C K Gomathy, Article: Supply chain-Impact of importance and Technology in Software Release Management, International Journal of Scientific Research in Computer Science Engineering and Information Technology (IJSRCSEIT) Volume 3 | Issue 6 | ISSN : 2456-3307, P.No:1-4, July-2018
10. Dr.C.K.Gomathy,P.Sarvani Divya jyothsna,M.Srimayi, Article: A study on the Mobile Application Advancements in Anti-Ragging, SSRG International Journal of Computer Science And Engineering(SSRG-IJCSE)-Volume 6 issue 3,March 2019.