A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

స్త్రీ విద్యాప్రవర్ధతాం

GUEST LECTURE

2019-2020

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2019- 20

GUEST LECTURE

By

Manas Kumar Yogi
Assistant Professor
Pragati Engineering College
ADB Road ,Surampaem

Date : 27-02-2020

Topic : **Designing Dynamic Web Pages**

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

G.SATYA SUNEETHA, LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2019-2020

Date	27/02/2020
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Designing Dynamic Web Pages**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**Manas Kumar Yogi** Assistant Professor Pragati Engineering College ADB Road ,Surampaem
No.of students participated	55
Brief Report on the activity	To enable the students to design Dynamic Web pages.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science G.Satya Suneetha, Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	N.N.S. Subrahmanyeswari 27/2/2020
Signature of the Principal	
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year.

The College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : Manas Kumar Yogi
Assistant Professor
Pragati Engineering College
ADB Road ,Surampaem

TOPIC : Designing Dynamic Web Pages

DATE : 27-02-2020

VENUE : Computer Lab-II

N.N.S. కొయ్యలు 27/2/2020

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN(A), KAKINADA
DEPARTMENTS OF COMPUTER SCIENCE

GUEST LECTURE

TOPIC : Designing Dynamic Web Pages

DATE: 27-02-2020 **VENUE: Computer Lab-II** **TIME: 11:00 AM**

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS	SIGNATURE
1.	1732033	P. Syamala devi	III BSC (MPCS)	P.S.D.Prasanna
2.	1732034	P. Suvarna	III BSC (MPCS)	P.Suvarna
3.	1732031	N. Satyalakshmi	III BSC (MPCS)	N.Satyalakshmi
4.	1732019	K.V.D. Bhavani	III BSC (MPCS)	K.V.D. Bhavani
5.	1732023	K. Monika	III BSC (MPCS)	K. Monika
6.	1732018	G. Damayanthi	III BSC (MPCS)	G. Damayanthi
7	1732040	T. Veera Veni	II BSC (MPCS)	T. Veera Veni
8	1732037	M. Saranya	II BSC (MPCS)	M. Saranya
9	1732052	S. Rani	III BSC (MPCS)	S. Rani
10	1732004	P. Veera Veni	III BSC (MPCS)	P. Veera Veni
11	1732013	D. Nookaratnam	III BSC (MPCS)	D. Nookaratnam
12	1732020	K. Nookaratnam	III BSC (MPCS)	K. Nookaratnam
13	1732039	T. Ramya	III BSC (MPCS)	T. Ramya
14	1732015	G. Roshini	III BSC (MPCS)	G. Roshini
15	1732058	M. Siva parvathi	III BSC (MPCS)	M. Siva parvathi
16	1732036	S. Kavya	III BSC (MPCS)	S. Kavya
17.	1732026	M. Neena Kumari	III BSC (MPCS)	M. Neena Kumari
18.	1732020	M.S. Soumya	III BSC (MPCS)	M.S. Soumya
19	1732006	D. Vijaya Lakshmi	III BSC (MPCS)	D. Vijaya Lakshmi
20	1732024	Vasudha Devi	III B.SC (MPCS)	Vasudha Devi
21	1732027	M. Saranya	III BSC (MPCS)	M. Saranya
22	1732029	Md. Nafisa	III BSC (MPCS)	Md. Nafisa
23.	1732042	K.V.V.N.K.S.D. Bhavani	III BSC (MPCS)	K. Bhavani
24.	1732050	P. Sandhya Durga	III BSC (MPCS)	P. Sandhya Durga
25	1732005	P. Savitri	III BSC (MPCS)	P. Savitri
26	1732001	A. Srimahalakshmi	III BSC (MPCS)	A. Srimahalakshmi
27	1732047	N. Pavithra	III BSC (MPCS)	N. Pavithra
28	1732056	T. Sitharatnam	III BSC (MPCS)	T. Sitharatnam

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS	SIGNATURE
29.	1732024	K. Kumari.	III Bsc (MPCs)	K. Kumari
30.	1732032	N. Annapurnamma	III Bsc (MPCs)	N. Annapurnamma
31.	1732051	P. Grace	III Bsc (MPCs)	P. Grace
32.	1732043	K. Sandhya	III Bsc (MPCs)	K. Sandhya
33.	1732058	Y. Prabhabha	III Bsc (MPCs)	Y. Prabhabha
34.	1732041	D. Harika	III Bsc (MPCs)	D. Harika
35.	1732045	M. Ramyasri	III Bsc (MPCs)	M. Ramyasri
36.	1732054	S. Sirisha	III Bsc (MPCs)	S. Sirisha
37.	1723003	ch. manika	III B.com (CA)	ch. manika
38	1723013	T. Sai Sandhya	III B.com (CA)	T. Sai Sandhya
39	1723025	T. Durga Bhavani	III B.com (CA)	T. Durga Bhavani
40	1723001	A. Lakshmi Syamala	III B.Com (CA)	A. Lakshmi Syamala
41	1723018	V. Rajeswari	III B.Com (CA)	V. Rajeswari
42	1723027	V. Syamala Kumari	III B.COM (CA)	V. Syamala Kumari
43	1723008	M. Mary Ratnam	III B.Com (CA)	M. Mary Ratnam
44	1723023	N. papa	III B.Com (CA)	N. papa
45	1723009	M. Lakshmi Sowjanathi	III B.com (CA)	M. Lakshmi Sowjanathi
46	1723010	M. Satya Sriya	III B.Com (CA)	M. Satya Sriya
47	1723021	M. Gowthami	III B.Com (CA)	M. Gowthami
48	1723029	Y. Thirumala Ramani	III B.Com (CA)	Y. Ramani
49	1723004	D. Harshava	III B.Com (CA)	D. Harshava
50.	1723005	E. Navya Ratna	III B.Com (CA)	E. Navya
51.	1723019	K. Nandeeswari	III B.Com (CA)	K. Nandini
52.	1723015	A. Madhavi	III B.COM (CA)	A. Madhavi
53.	1723014	Y. Durga Devi	III B.COM (CA)	Y. Durga Devi
54.	1723006	G. Gayathri devi	III B.Com (CA)	G. Gayathri
55	1723011	P. uma devi	III B.Com (CA)	P. uma devi

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

INVITATION

స్త్రీ విద్యాప్రవర్ధతాం

The Department of Computer Science wishes to arrange a Guest Lecture

on

27-02-2020 at 11.00 A.M. in Computer Lab-II

Subject: Web Technologies

Topic: Designing Dynamic Web Pages

By

Sri Manas Kumar Yogi
Assistant Professor
Pragati Engineering College
ADB Road ,Surampaem

N.N.S. [illegible] 27/2/2020

In-Charge of the Department

Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

A Guest Lecture is conducted for the Students of III B.Sc (M.P.Cs) and III B.Com (C.A.)

Name of the Guest : **Manas Kumar Yogi**
Assistant Professor
Pragati Engineering College
ADB Road ,Surampalem

TOPIC	VENUE	DATE	TIME	SIGNATURE OF THE GUEST
Designing Dynamic Web Pages	Computer Lab-II	27-02-2020	11 AM	

Signatures of the Lecturers Attended:

1. N.N.S. Bharati
2. Sumantha

PRINCIPAL

REPORT ON THE GUEST LECTURE

Mr. Manas Kumar Yogi addressed the students of III B.Sc (MPCs) and III B.Com(CA) and narrated about what is adynamic web page and what are the different ways possible to create a dynamic webpage as follows:

Server-side dynamic web page

A **server-side dynamic web page** is a web page whose construction is controlled by an application server processing server-side scripts. In server-side scripting, parameters determine how the assembly of every new web page proceeds, including the setting up of more client-side processing.

Client-side dynamic web page

A **client-side dynamic web page** processes the web page using HTML scripting running in the browser as it loads. JavaScript and other scripting languages determine the way the HTML in the received page is parsed into the Document Object Model, or DOM, that represents the loaded web page. The same client-side techniques can then dynamically update or change the DOM in the same way. Even though a web page can be dynamic on the client-side, it can still be hosted on a static hosting service such as GitHub Pages or Amazon S3 as long as there isn't any server-side code included.

A dynamic web page is then reloaded by the user or by a computer program to change some variable content. The updating information could come from the server, or from changes made to that page's DOM. This may or may not truncate the browsing history or create a saved version to go back to, but a *dynamic web page update* using Ajax technologies will neither create a page to go back to, nor truncate the web browsing history forward of the displayed page. Using Ajax technologies the end user gets *one dynamic page* managed as a single page in the web browser while the actual web content rendered on that page can vary. The Ajax engine sits only on the browser requesting parts of its DOM, *the* DOM, for its client, from an application server.

Server-side scripting

A dynamic web page needs a support-server, an application server to process its server-side language.

A program running on a web server (server-side scripting) is used to generate the web content on various web pages, manage user sessions, and control workflow. Server responses may be determined by such conditions as data in a posted HTML form, parameters in the URL, the type of browser being used, the passage of time, or a database or server state.

Such web pages are often created with the help of server-side languages such as ASP, ColdFusion, Go, JavaScript, Perl, PHP, Ruby, Python, WebDNA and other languages, by a **support server** that can run on the same hardware as the web server. These server-side languages often use the Common Gateway Interface (CGI) to produce *dynamic web pages*. Two notable exceptions are ASP.NET, and JSP, which reuse CGI concepts in their APIs but actually dispatch all web requests into a shared virtual machine.

The server-side languages are used to embed tags or markers within the source file of the web page on the web server. When a user on a client computer requests that web page, the web server interprets

these tags or markers to perform actions on the server. For example, the server may be instructed to insert information from a database or information such as the current date.

Dynamic web pages are often cached when there are few or no changes expected and the page is anticipated to receive considerable amount of web traffic that would create slow load times for the server if it had to generate the pages on the fly for each request.

Client-side scripting

Client-side scripting is changing interface behaviors within a specific web page in response to mouse or keyboard actions, or at specified timing events. In this case, the dynamic behavior occurs within the presentation. The client-side content is generated on the user's local computer system.[4]

Such web pages use presentation technology called rich interfaced pages. Client-side scripting languages like JavaScript or ActionScript, used for Dynamic HTML (DHTML) and Flash technologies respectively, are frequently used to orchestrate media types (sound, animations, changing text, etc.) of the presentation. Client-side scripting also allows the use of remote scripting, a technique by which the DHTML page requests additional information from a server, using a hidden frame, XMLHttpRequests, or a Web service.

Example

The client-side content is generated on the client's computer. The web browser retrieves a page from the server, then processes the code embedded in the page (typically written in JavaScript) and displays the retrieved page's content to the user.

When to choose static web designing?

Gradually trend of static websites are decreasing, as a simple text change also involves web designer or developer involvement. You can choose it for simple one page website or websites mainly focused on design rather than functionality and seo.

When to choose dynamic web designing?

In dynamic web design anything is possible and you can achieve, what can be done by static method plus you get enormous opportunity to build web systems that can change as you business demands. Now a days there are various dynamic web building platform, which gives a strong foundation and development roadways to build it right. If you are planning to do anything beside simple good looking web pages, such as publishing you content or making changes to existing content without technical knowledge its best to go for dynamic web.

Basic components of dynamic websites

- Web Server - Get it from web hosting company
- Database - Along with hosting plan
- CMS - Like Wordpress, Drupal, Joomla, etc.

Web Server

A web server is computing system designed for exchanging information from server to browser or other client making http (the basic network protocol used to distribute information on the World Wide Web) request. Web server is consist of hardware computer, an operating system and various

supporting applications to process network protocal requests. Most commonly Apache is used are server application system on top of Linux or windows server operating system.

Database

Database are information house for any dynamic website, it is used to store data in different tables and extract it dynamically on demand. Database is designed to keep all relevant information and website content in different tables and with the help of database query language we can read, insert, or edit data very easily and efficiently. Most commonly MySql is used as database system as its free and widely tested and accepted. Even your favourite social network Facebook uses MySql to store and display data from all over the world.

CMS Content Management System

CMS Content Management System is set of software written in server side scripting language like php, dotnet, asp, java etc. Its primary task is to make connection between web server, database, and client's browser and make dynamic html pages on given request by pulling data from database and file system.With any standard hosting plan you get all these three components to build you awesome ynamic website.

Mr.Manas Kumar Yogi giving lecture on "Designing Dynamic Webpages"

N.N.S. Eswari
Signature of the HOD
IN - HARGE
DEPT OF COMPUTER SCIENCE
ASDGOVT DEGREE COLLEGE (W) (AUTONOMOUS)
KAKINADA