

Rukmini Devi Institute of Advanced Studies
Madhuban Chowk, Rohini, Delhi-110085

(Approved By AICTE & Affiliated With GGSIP University)

DOSSIER

On

Guest Lecture

On

“PHP (Hypertext Preprocessor)”

on

21th January, 2013





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(Member, Literary Club)

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(Chairperson, Literary Club)

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Director General, RDIAS



FORM A

Proposal:

- **Name of the event to be organized:** Guest Lecture on PHP Technology
- Date: 21th Jan , 2013
- Time: 2:00 PM-3:30 PM
- Venue: Lecture Theatre, RDIAS
- **Motivation for the activity:** This lecture was conducted with the motive to make the students of MCA aware of concepts of PHP and its implementation.
- **Organized by:** MCA Department



FORM B

Part 1

Aim of the event: The aim of this event was to introduce everybody with the importance of PHP and its functionalities. It was cleared that PHP is a server scripting language, and is a powerful tool for making dynamic and interactive Web pages. PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP.

Increasingly, IT squads are turning to PHP technology to minimize the time spent on lower-value natural actions and allow IT to focus on essential activities with greater impact on the software industries and web services.

Hence it is important for the students to be well acquainted with the field and should be aware of the intricacies of implementing this technology. Keeping this in mind a guest lecture was organized for the students of MCA.

Part 2

Abstract:

The session was conducted by Mr. Sandeep Dahiya and Ms. Sweta Gabba IT consultants and developers cum Trainers at IINT, Rohini.

His presentation contained the following discussion points:

1. What is PHP? And what we should know before start PHP.
2. What is a PHP File?
3. What Can PHP Do?
4. Why PHP?
5. Implementation.
6. What are PHP \$_GET and PHP \$_POST methods
7. What are Session and Cookies?



8. Security of E-mail with PHP

9. AJAX in PHP

Many **real world anecdotes** were shared with the students in the course of this discussion:

Ms. Sweta started the discussion by asking everyone present that, what according to them is PHP?

Sir explained that

- PHP stands for PHP: Hypertext Preprocessor
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP is free to download and use

Sir explained before start PHP should have a basic understanding of the following:

- HTML
- JavaScript

Sir further added that What is a PHP File?

- PHP files can contain text, HTML, JavaScript code, and PHP code.
- PHP code are executed on the server, and the result is returned to the browser as plain HTML.
- PHP files have a default file extension of ".php"

Then Ms. Sweta discussed about What Can PHP Do? Then he explained PHP can generate dynamic page content, It can create, open, read, write, and close files on the server, It can collect form data, It can send and receive cookies, It can add, delete, modify data in your database. It restrict users to access some pages on your website or it can encrypt data.



Madam also explore why PHP is on demand because PHP runs on different platforms (Windows, Linux, Unix, Mac OS X, etc. PHP is compatible with almost all servers used today (Apache, IIS, etc.) PHP has support for a wide range of databases. PHP is free. We can also download it from the official PHP resource: www.php.net. PHP is easy to learn and runs efficiently on the server side.

Then madam started its implementation by making a form and on the form she explained the implementation of Get and Post methods as:

The predefined `$_GET` variable is used to collect values in a form with `method="get"`.

Information sent from a form with the GET method is visible to everyone (it will be displayed in the browser's address bar) and has limits on the amount of information to send.

```
<form action="welcome.php" method="get">
```

```
Name: <input type="text" name="fname">
```

```
Age: <input type="text" name="age">
```

```
<input type="submit">
```

```
</form>
```

The "welcome.php" file can now use the `$_GET` variable to collect form data (the names of the form fields will automatically be the keys in the `$_GET` array):

```
Welcome <?php echo $_GET["fname"]; ?>.<br>
```

```
You are <?php echo $_GET["age"]; ?> years old!
```

Same as Get method she implement the post method too and given:

Information sent from a form with the POST method is invisible to others and has no limits on the amount of information to send.



After completing this topic she started the explanation of the difference between Session and Cookies.

- **PHP Cookie:** A cookie is often used to identify a user. A cookie is a small file that the server embeds on the user's computer. Each time the same computer requests a page with a browser, it will send the cookie too. With PHP, you can both create and retrieve cookie values.
- **PHP Session:** A PHP session variable is used to store information about, or change settings for a user session. Session variables hold information about one single user, and are available to all pages in one application.
- She also introduced about the security of Email using PHP and about AJAX and its working.

How AJAX Works

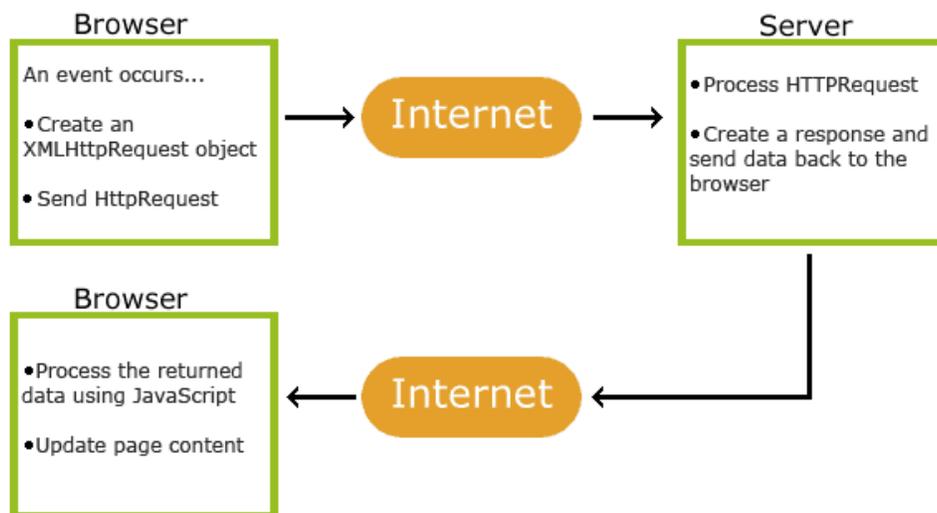


Fig: Working of AJAX.



Part 3

Conclusion :

Sir seamlessly swayed from architecture to implementation while referencing the industry scenario. Also discuss the latest research going in this technology. Certain issues related with the implementation of the technology like privacy, security, compliance, availability, performance and sustainability were also discussed.

Students of MCA showed great enthusiasm by attending the session and actively participating in question answer sessions. Some curious questions were raised by the students like, what is the use of CSS?, How the websites are more secure in PHP as compare to java and .Net . All were answered by the speaker in a very explicable manner.



Lecture Moments



A student from MCA-4th sem (Mankunvar) introducing Mr. Sandeep and Ms. Sweta.



Mr. Sandeep giving the lecture on PHP fundamentals.



Students are listening and knowing about PHP.



Ms. Sweta explaining how to implement PHP code.