

Rukmini Devi Institute of Advanced Studies

Madhuban Chowk, Rohini, Delhi-110085

(Approved By AICTE & Affiliated With GGSIP University)

DOSSIER

On

Guest Lecture

On

PHP & Web Development

On

October 17, 2016



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FORM A

Proposal:

- **Name of the event to be organized:** Guest Lecture on “PHP & Web Development”
- **Date:** October 17, 2016
- **Time:** 11:30 am to 01:30 pm
- **Venue:** Lecture Theatre, RDIAS
- **Motivation for the activity:** The session aimed at making students go through the learning curve of Web Application development with the blend of famous frameworks of PHP and to focus on building strong foundation in Web application development and object-oriented PHP Programming which helps in providing confidence and knowledge required for Web App development.
- **Organized by:** MCA Department
- **Resource Person:** Mr. Sumit Joshi, Senior Consultant, Ducat, Noida

FORM B

Part 1

Aim of the event:

PHP was at first created as a simple scripting platform called "Personal Home Page". Nowadays PHP (the short for Hypertext Preprocessor) is an alternative of the Microsoft's Active Server Pages (ASP) technology. PHP is an open source server-side language which is used for creating dynamic web pages and AngularJS is a very powerful JavaScript Framework. It is used in Single Page Application (SPA) projects. It extends HTML DOM with additional attributes and makes it more responsive to user actions. The aim of this session was to make students learn the application of PHP and Angular JS in creating web pages.

Part 2

Abstract:

The session was conducted by Mr. Sumit Joshi, Senior Consultant, Ducat, Noida and Mr. Vishal, Marketing Head, Ducat, Noida. The session included the following discussion points:-

- About industry requirement
- Introduction to PHP and Angular JS
- Need of PHP and Angular JS
- Layers of Web Development
- Development of website- static as well dynamic
- Angular JS directives and data binding
- About JSON

First part of guest lecture was conducted by Mr. Vishal, Marketing Head at Ducat. Sir discussed about current industry requirement. Sir also explained about opportunities in the IT industry for PHP and Angular JS for web developer.

Remaining part of guest lecture was taken by Mr. Sumit Joshi, Senior Consultant, Ducat. Sir discussed the concept of PHP and its need in web development. PHP is a server-side scripting language designed primarily for web development. The importance of PhP is to develop website.

There are two types of web development- client side and server side. Client side programming has mostly to do with the user interface, with which the user interacts. In web development it's the browser, in the user's machine, that runs the code, and it's mainly done in javascript, flash, etc. Languages used includes HTML, CSS , Javascript, JQuery and Bootstrap. Server-side scripting is a technique used in web development which involves employing scripts on a web server which produce a response customized for each user's (client's) request to the website. Languages used include Php, java and .net.

Sir defined the layers of web development:-

1. Presentation –Front End
2. Business Logic- Language used
3. Data Access-Database connectivity

After that, sir explained about need of Angular Js in industry. In terms of JavaScript frameworks, Angular is definitely one of the most popular and widely used. When it comes to designing single page applications (SPAs) developers usually prefer frameworks that have:

- already been used to build scalable applications
- a vast community support in case you get stuck somewhere
- code decoupled enough not to interfere, but modular enough to easily maintain

Angular Js is used for data rendering at the front end.

Sir discussed different types of Angular JS directives, its procedure for linking and data binding process.

Angular JS directives are extended HTML attributes with the prefix ng-.

1. The ng-app directive initializes an AngularJS application.
2. The ng-init directive initializes application data.
3. The ng-model directive binds the value of HTML controls (input, select, textarea) to application data.

Data binding in AngularJS is the synchronization between the model and the view.

1. Data Model

AngularJS applications usually have a data model. The data model is a collection of data available for the application.

Example of Data Model in Angular JS: -

```
var app = angular.module('myApp', []);
app.controller('myCtrl', function($scope) {
    $scope.firstname = "John";
    $scope.lastname = "Doe";
});
```

2. HTML View

The HTML container where the AngularJS application is displayed, is called the view. The view has access to the model, and there are several ways of displaying model data in the view. For that we can use the ng-bind directive, which will bind the innerHTML of the element to the specified model property.

Exmample of HTML View in Angular JS

```
<!DOCTYPE html>

<html>

<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js"></script>

<body>

<div ng-app="myApp" ng-controller="myCtrl">

  <p ng-bind="firstname"></p>

</div>

<script>

var app = angular.module('myApp', []);

app.controller('myCtrl', function($scope) {

  $scope.firstname = "John";

  $scope.lastname = "Doe";

});

</script>
```

<p>Use the ng-bind directive to bind the innerHTML of an element to a property in the data model.</p>

```
</body>
```

```
</html>
```

Towards the end of guest lecture, sir discussed JSON, JSON or JavaScript Object Notation as an open standard format that uses human-readable text to transmit data objects consisting of attribute–value pairs. It is used primarily to transmit data between a server and web application, as an alternative to XML.

Part 3

Conclusion

It is important for the students to be well acquainted with these applications and should be aware of the intricacies of implementing this technology. Students of MCA were enriched with the knowledge by attending the session and actively participated by curiously listening to the speaker. Some questions were raised by the students which were answered by the speaker in a very explicable manner.

Session Moments



Mr. Sumit Joshi, speaker for the day, addressing the students..!!!



Patiently listening audience..!!!



Students clarifying the doubts..!!



Ms. Simmi Chawla, HOD MCA, presenting token of appreciation to the Guest Speaker..!!