

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF PHYSICS/ COMPUTER SCIENCE
&
IQAC JOINTLY ORGANISED
FIVE DAYS SEMINAR & HANDS-ON TRAINING ON
HYPERTEXT PREPROCESSOR (PHP)**

Report

(26/03/2021 to 30/03/2021)

Department of physics/Computer Science & IQAC(Internal Quality Assurance Cell) jointly organised five days Seminar & Hands-on training on **“Hypertext pre-processor(PHP)”** from 26-04-2021 to 30-04-2021. The objective of the seminar & hands-on training is to introduce the new programming language for B. Sc III semester students to enhance their programming and employability skills.

- *“PHP: Hypertext Preprocessor”* is a server scripting language and a powerful tool for making dynamic and interactive Web pages.PHP is basically used for developing web based software applications. PHP scripts are executed on the server .PHP can runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.). PHP is compatible with almost all servers used today (Apache, IIS, etc.).PHP supports a wide range of databases. PHP is easy to learn and runs efficiently on the server side
- PHP is an HTML-embedded Web scripting language. This means PHP code can be inserted into the HTML of a Web page.
- PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP.
- Some softwares that are developed using PHP are yahoo,wordpress , MailChimp, Wikipedia and many more
- PHP It is deep enough to run the largest social network like Facebook so it is widely used in many of the multinational companies.

Topics covered during seminar & Hands-on Training Program:

1. **Web Pages and Web-Based Applications:** Any web page or web application developed in the current ecosystem needs to offer a high degree of customization, provide highly interactive user interface, be capable of performing online transactions and integrate with database systems. PHP offers a reliable solution to achieve these features. As a consequence, PHP is used by over 82% of websites for server side programming; over 244 million websites are built using PHP.
2. **Web Content Management Systems:** PHP offers support to numerous databases including MySQL, Oracle and MS Access and is capable of interacting with other services using protocols such as IMAP, LDAP, POP3, NNTP, SNMP, HTTP and COM . As a result, PHP has been used for creating popular web Content Management Systems (CMS), including WordPress and its plugins, user-facing portion of Facebook, Joomla, Drupal, Moodle, Silverstripe, MediaWiki, Digg and others.
3. **eCommerce Applications:** From small businesses to large enterprises, selling to online shoppers is now an indispensable requirement. Through use of frameworks like CodeIgniter and CakePHP, PHP allows creation of eCommerce applications in a swift and simple manner. Many of the highly used eCommerce platforms, such as OpenCart, Magento, PrestaShop, Zen Cart, AgoraCart and Ubercart, have all been created on PHP.
4. **GUI-Based Applications:** While PHP is largely used as a scripting language for web-based applications, it is also possible to employ it for creating desktop graphical user interface (GUI) based applications.
5. **Create Flash:** An open source library, such as Ming, helps to create .SWF format movies which include most of the features of Flash – gradients, bitmaps (pngs and jpeg), morphs, shapes, text, button, actions and animations.
6. **Image Processing and Graphic Design:** PHP can also be used to manipulate images. Integration of various image processing libraries, such as GD library, Imagine and ImageMagick, in PHP applications allows rotating, cropping, resizing, creating thumbnail pictures, adding watermarks and generating output images in multiple formats including jpeg, gif, wbmp, xpm and png.
7. **Data Representation:** PHP can be used to create a variety of graphs, charts, scatter-dot plots and other means of graphical representations. This feature finds application across client-side

desktop applications, eCommerce websites and other applications where data needs to be presented in a concise and graphical manner.

The program was inaugurated by Dr L.T Nayak, IQAC Co-ordinator, Dr C.G Patil IQAC member and Dr G.H.Malimath, Head, Department of Physics on 26-03-2021 at 12:00 noon. Dr L.T Nayak sir gave a brief outline about the IQAC and the its role in the development of the college .Dr G.H.Malimath sir delivered us valuable information about the significances and need of this seminar & hands-on training. Totally 35 students registered for this seminar & Hands-on Training Program. Every day morning one session of lecture on the above mentioned topics were delivered. In the afternoon session students were given training in the computer laboratory. All the students were highly interactive during theory and practical session. On 03/04/2021 at 12:00 noon, seminar & Hands-on training program was concluded by Dr. C.G.Patil, IQAC member and Dr G.H.Malimath, Head, Department of Physics. Dr C.G.Patil sir conveyed the about importance of this topic in the software industry and briefed about the companies work environment. Dr G.H.Malimath sir motivated the students about learning new skills

All the participants were distributed attendance certificate during the occasion. Miss Shweta ,Miss Navya and Miss Sahana shared their experiences on the Training Program. All the participants expressed their gratitude to the HOD, Physics department, Principal, Karnatak Science College, Dharwad, and IQAC for arranging the Training Program. Miss Rashmi.S.Nidagundi conducted the Seminar & Hands-on training as Resource Person. Overall the five days seminar & Hands-on Training Program on PHP was successful and satisfactory.

Department of Physics/Computer Science took this opportunity to thank Dr. (Smt)A.S.Bellad, Principal Karantak Science College Dharwad , Dr.G.H.Malimath ,Head of department Physics/Computer Science , IQAC

Co-ordinator and IQAC members and our Computer Science Faculties for their continuous support and encouragement to make this event a grand success.

1) Inauguration Function of Seminar & Hands-on Training on PHP



2) Sessions during Seminar & Hands-on Training
Lecture session by Resource Person





Dharwad, Karnataka, India
Physics Dept, KCD Rd, Malmaddi, Dharwad, Karnataka
580001, India
27/03/21 11:46 AM



Dharwad, Karnataka, India

Physics Dept, KCD Rd, Malmaddi, Dharwad, Karnataka 580001, India

Lat N 15° 27' 14.6952"

Long E 74° 59' 55.7484"

26/03/21 11:23 AM

3)Valedictory Function

IQAC Member Dr.C.G.Patil addressing the students about the software companies work environment



Dr.G.H.Malimath, Head of Department Physics /Computer Science motivating the students



Students sharing their experience about the Seminar & Hands-On Training



Dharwad, Karnataka, India

Physics Dept, KCD Rd, Malmaddi, Dharwad, Karnataka 580001, India

03/04/21 12:29 PM

Students receiving the attendance certificate



Dharwad, Karnataka, India

Physics Dept, KCD Rd, Malmaddi, Dharwad, Karnataka 580001, India

03/04/21 12:50 PM

