

The Spoken Tutorial Project

- ⇒ **Self explanatory**-uses simple language
- ⇒ **Audio-Video** - uses multi-sensory approach
- ⇒ **Small duration** - has better retention
- ⇒ **Learner - centered** - learn at your own place
- ⇒ **Learning by doing** -learn and practice simultaneously

What is spoken Tutorial ?

A Spoken Tutorial refers to explaining any computer-based activity with a screen casting software captures all the activities on the screen along with the narration and plays it back as a movie. This movie is called spoken tutorial.

The spoken tutorial can be steps involved in carrying out any screen - based activity, such as using the features of some software.



The Spoken Tutorial project is the initiative of the 'Talk to a Teacher' activity of the National Mission of Information and Communication Technology launched by the Ministry of Human Resource Development, Government of India.

Workshops

The Spoken Tutorial Project Team conducts workshop using tutorial and provides e-certificates to those who pass an online test.



**National Mission on Education through
Information and Communication
Technology
(NMEICT)**

Developed at:

IIT, Bombay

Organized By:

**Dept. of Computer Science,
Pondicherry University
Karaikal Campus, Karaikal**



**Workshop Series On
php/mysql & Scilab**



**Session Partner:
IIT, Bombay**

**php/mysql
and
Scilab**



**Date: 25/09/2012 to
26/09/2012**

Time: 10:00 to 1:00

**Dept. of Computer Science
School of Engineering And
Technology
Pondicherry University
Karaikal Campus**

PHP

PHP or “PHP : Hypertext Preprocess” is a widely– used Open Source general-purpose scripting language that is especially suited for Web development and can be embedded into HTML. Its syntax draws upon C, Java , and Perl, and is easy to learn.

The main goal of the language is to allow web development to write dynamically generated web Pages quickly, but you can do much more with PHP.

USES OF PHP

- To create large websites
- For E-commerce like OS-Commerce and OpenCart
- To create online discussion forums like phpBB
- To create content management systems like Drupal.
- To create e-learning management systems like Moodle
- To develop web-based management tools like phpMyAdmin

Features of PHP & MySQL

- For scalability and flexibility
- For high speed and high performance
- For data protection
- For Comprehensive Application Development
- For Management tools

MySQL

MySQL is a relational database management system (RDMS) that runs as a server providing multi-user access to a number of databases. The SQL phrase stands for Structured Query Language. Applications which use MySQL databases include: Joomla , WordPress, MyBB, phpBB, Drupal and other software built on the LAMP software stack.

MySQL is also used in many high-profile, large-scale World Wide Web products , including Wikipedia, Google and Facebook.

Scilab

Scilab is a cross– platform, free and open source numerical computational package. It is an easy-to use and versatile package with inbuilt Mathematical library.

Its capabilities can be extended through the use of readily available or custom made toolboxes where the extensions can be written in ubiquitous lower level languages like Fortran and C.

SciLab Tutorial List

- Installation
- Getting Started
- Vector Operation
- Matrix Operation
- Scripts and Functions

SciLab Tutorial List Conti.....

- Conditional Branching
- Iteration
- Plotting 2-D graphs
- Polynomials
- Ordinary Differential Equation
- Single Board Header System
- Xcos

Scilab can be used for

- ⇒ Graphing and data visualization control
- ⇒ Signal and image processing
- ⇒ Statistical analysis
- ⇒ Fluid dynamics
- ⇒ Linear algebra
- ⇒ Numerical optimization
- ⇒ Modeling and simulation of dynamical systems

Links:

<http://phpacademy.org>
<http://www.php.net>
<http://www.Mysql.com>
<http://scilab.in>
<http://scilab.org>
<http://fosses.in>