



One Day Workshop
on
Project development and
deployment practically.

Organized by
MCA Department
LDRP - ITR Gandhinagar

12th November 2022.
09:00 AM to 04:00 PM

Points to cover

- Analysis
- Database Design (MySQL)
- Front end Website Development (PHP)
- Back end Panel Development (PHP)
- Deployment to live domain



Expert

Mr. Adarsh Patel
CEO, Technical Team Lead,
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One Day Workshop on Project Development and Deployment Practically

By Adarsh Patel,
CEO, Arth Technology

About : Adarsh Patel
(MCA - Bhavnagar University)



- **CEO, Arth Technology**
- **13 Years** of Experience in Teaching + Development Field
- Delivered 200+ Expert Lectures / Seminar / Workshops
- Published 10+ Research Papers
- Developed 200+ Websites
- Developed 100+ Mobile Applications
- Developed 500+ Scripts



About Arth Technology

“Towards Intelligent Future...”



- **Custom Software Development**
- **Website Development**
- **Domain, Hosting Sales & Support**
- **Mobile App Development**
- **SEO & Digital Marketing**
- **ECommerce Solutions**
- **Training for Students**
- **Training for Industries**
- **IT Consulting**



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About Our Our Training

“100% Practical and Placement Oriented Trainings”



- **PHP Training**
- **CodeIgniter Training**
- **Laravel Training**
- **Android Training**
- **iOS Training**
- **SEO Training**
- **Digital Marketing Training**
- **Python Training**
- **WordPress Training**
- **.Net Training**
- **C/C++ Fundamental**
- **Node JS**
- **Bootstrap**
- **Software Testing**
- **Java Programming**
- **Flutter Development**
- **React**
- **Angular**
- **Data Analysis**
- **Content Writing**
- **Database Administrator
(MySQL, Oracle, SQL
Server, MongoDB, etc)**
- **Amazon AWS Training**
- **GSuite Training**
- **and more...**



Introduction to Website

Website is something similar to shop/office, But it can be accessible via internet with few clicks.



Introduction to Domain

Domain is one kind of Identity of user.

<https://arthtechnology.com>

How to Buy Domain:

https://www.youtube.com/watch?v=nfwCX_SG57g



Introduction to Hosting

- Hosting is the place, where we can upload files, images, video, etc.
- Inside a Google data center
(<https://www.youtube.com/watch?v=XZmGGAbHqa0>)
- How to Buy Hosting: (https://www.youtube.com/watch?v=8HT8nQ_xlw)



Why we need Website?

- Website is your online Identity.
- Can be created easily.
- Cost is very low compared to physical identity.
- Easy to maintain.



How can we build website?

- Basically There are 3 Types of Website
 - Static Website
 - Dynamic Website
 - E-Commerce / Other
- How to Build
 - Without Programming
 - With Programming(PHP / Java / .Net / etc)





Tools & Technology Awareness

php

cPanel®

 XAMPP


MySQL™


Notepad++



Software Development

- Planning
- Analysis
- Design
- Coding
- Implementation
- Testing
- Maintenance



Analysis - Step 1



- Listen to Project Title
- Listen to Concept from the Customer/User/Vendor who is looking for system.
- Try to find Hidden features of the Project.
- List all Possible Functionality in to Paper
- Shortlist Functionality as per priority.
- Rethink and remove unused functionality and add more functionality if you found during thinking.



Analysis - Step 2

(Example: Billing System)



- Bill Generation
- Customer Management
- Supplier Management
- Purchase Goods Management
- Sales Management
- Account Management
- Reports



Analysis - Step 2

(Example: Billing System)



- Bill Generation
- Customer Management
- ~~Supplier Management~~
- ~~Purchase Goods Management~~
- Sales Management
- ~~Account Management~~
- ~~Reports~~





Prepare Analysis of Simple Banking System





Prepare Analysis of Inventory System





Prepare Analysis of Amazon



Database Design Tips

- Every table must have primary key
- Use all field name as small letter
- Use table name as xxx_table_master or xxx_table_detail
- Do not repeat field name throughout your database
- Do not use underscore in field name



Sample Database Structure for Billing System



res_customer_master

cmid

cname

cmobile

cemail

res_supplier_master

smid

sname

semail

saddress

res_bill_master

bmid

cmid

bdate

btotat

res_bill_detail

bdid

bmid

pmid

pqty

prate

amount

res_product_master

pmid

pname

punit

prate

pdesc

pimage

pactive



Analysis - Step 2

(Example: eCommerce Website)

- Login
- Registration
- Profile Management
- Product List
- Product Detail
- Add to Cart
- Cart List
- Checkout
- Order History
- Change Password
- Customer Management
- Product Management
- Order Management
- Report





**Let's Practically Explore Front-end
and Back-end**





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