





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,
Arth Technology, Vadodara













# 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



https://arthtechnology.com/



# 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.



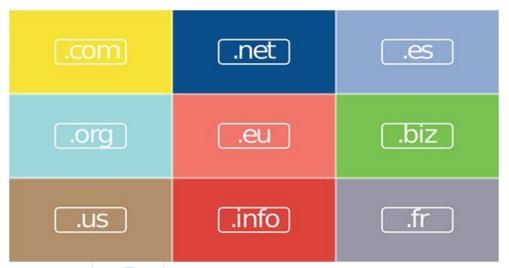
## Introduction to Domain RTI

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 (<u>https://www.youtube.com/watch?v=XZmGGAbHqa0</u>)
- How to Buy Hosting: ( <u>https://www.youtube.com/watch?v=8HT8nQ\_xlw</u> )







#### 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? RTH

- 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













## ARTH

#### 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 ATH (Example: Billing System)

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

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## Prepare Analysis of Simple Banking System







# Prepare Analysis of Inventory System







#### **Prepare Analysis of Amazon**



### Database Design Tips RTH

- 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

res\_bill\_master

res\_bill\_detail

res\_product\_master

cmid

bmid

pmid

cname

cmid

pname

cmobile

bdate

punit

cemail

btotal

prate

res\_supplier\_master

bdid

pdesc

smid

bmid

pimage

sname

pmid

pactive

semail

pqty

prate

saddress

amount

Adarsh Patel, Arth Technology

# Analysis - Step 2 (Example: eCommerce Website)

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

- CustomerManagement
- Product Management
- Order Management
- Report







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







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