



IDM TECHPARK

GUIDE'S FOR PERFECT CAREER PATHWAY



PHP Full Stack Course Syllabus



N.S.D.C.
National
Skill Development
Corporation



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About Us

IDMTECHPARK global retail & corporate training solutions provider in Coimbatore, Erode, Trichy & Salem that offers a comprehensive range of training and placement services for both fresher's and professionals seeking new opportunities. The company commenced its IT training business in 2016. A pioneer in IT education, over the years, we have trained over 50k students. Idmtechpark has a wide range of courses, maintains education standards & provides placement assistance.

www.idmtechparkcoimbatore.com
www.idmtechparkerode.com

+91 9585305700

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About IDMTECHpark Education Quality

IDMTECHPARK is managed and developed by industry specialists with more than 8 years of expertise in the field. IDMTECHPARK offers a staff of highly skilled professional trainers who deliver effective IT training in a friendly setting, concentrating on the needs of each individual to help them succeed in a demanding work world. In the book of career and success, our staff never leaves a page unturned.

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IDMTECHPARK's versatile instructor-led training class rooms and lower-class sizes enable people to engage more easily and absorb knowledge, resulting in remarkable results for both themselves and the organizations for which they work. Our training programmes are adaptable and customizable to ensure that each participant gets the most out of their time with us. IDMTECHPARK focuses in providing hands-on IT training in over 30 different courses.

- We teach in-demand courses
- We provide impactful learning material
- Our teachers are well-selected & trained
- We follow world-class teaching methods
- Our courses include E-Projects
- We conduct technical workshops
- Exams are held and based on Exams providing Certification
- Certificates are recognized the world over
- Our course timings are flexible



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Our Recent Placement

Idmtechpark assists students in getting job placements on successful completion of their courses. Idmtechpark also provides recruitment assistance to organizations. Idmtechpark students are shortlisted based on the organization's requirement. To make students job-ready, Idmtechpark conducts workshops e.g. How to do Group Discussions, how to behave in a Personal Interview. From time to time, job fairs & campus recruitments are conducted. Workplace skills such as time management, making effective presentations and communication skills are also provided. All this helps students find appropriate jobs in the IT industry while also helping save companies recruitment costs.

Krishnaveni M

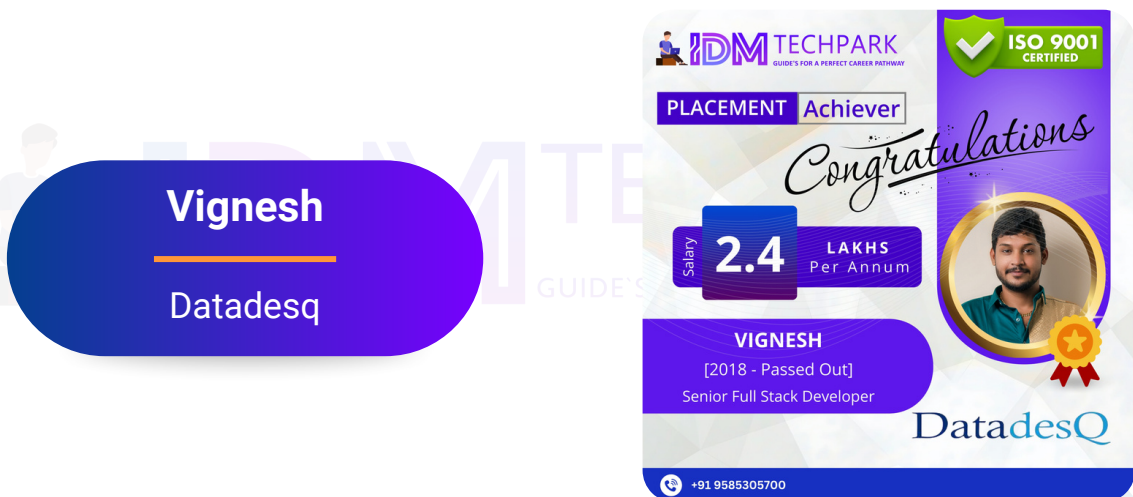
Frutterlabs





Joshwa

Xccessor



Vignesh

Datadesq



Madhumitha

Accenture

Keerthana

AJS



Brindha Boopathi

AJS



Kavın Kumar

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Ajithkumar

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Gowthami

Genpact



Surya

ZUCI

Pavithra

Vel Info Tech



Poovitha

Gray Matter



Ramesh

TDT

Siva Sankar
ST Cloudspark tech



Nabeel Hisham
VTail

Kalayarasan
Violet Infotech



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Our Alumni Working At



MODULE 1

Web Development Fundamentals

- What is Full Stack Web Development?
- Role of Frontend & Backend
- Web Architecture Basics
- HTTP, Client-Server Model, APIs

MODULE 2

HTML5 Deep Dive

- HTML Structure, Elements, Forms
- Semantic Tags
- Audio, Video, iFrame, Meta Tags
- Accessibility Features

MODULE 3

CSS3 Styling

- Selectors, Box Model, Units
- Flexbox, Grid System
- Transitions & Animations
- Media Queries & Responsive Design

MODULE 4

JavaScript (ES6+)

- Variables, Data Types, Functions
- Arrays, Objects, Loops, Events
- DOM Manipulation
- Arrow Functions, Destructuring, Spread

MODULE 5

Advanced JavaScript + AJAX

- Fetch API & Promises
- Async/Await
- AJAX with jQuery
- Dynamic UI with API Integration

MODULE 6

Frontend Framework – React.js / Vue.js

- Components, Props, State
- Routing
- Fetching APIs
- Forms & Validation

MODULE 7

Bootstrap & UI Libraries

- Bootstrap Grid, Components
- Responsive Navbars, Cards, Modals
- Font Awesome Icons
- Tailwind CSS (Optional)

MODULE 8

Git & GitHub

- Version Control Basics
- Creating Repos, Branching
- Pull Requests, Merging
- Collaborating on Projects

MODULE 9

Core PHP Basics

- Syntax, Variables, Operators
- Control Structures
- Functions, Arrays
- Superglobals (\$_GET, \$_POST, \$_FILES)

MODULE 10

PHP with Forms

- Form Submission & Validation
- File Uploads
- Email with mail()
- Session & Cookie Management

MODULE 11

Object-Oriented PHP

- Classes, Objects, Inheritance
- Constructors & Destructors
- Interfaces, Traits
- Namespaces & Autoloading

MODULE 12

PHP Error Handling & Security

- try/catch Blocks
- Error & Exception Types
- Data Sanitization & Validation
- Preventing SQL Injection, XSS, CSRF

MODULE 13

PHP and MySQL Database

- CRUD Operations
- Prepared Statements
- JOINS and Relationships
- Pagination & Filtering

MODULE 14

Laravel Framework Basics

- MVC Architecture
- Routing & Controllers
- Blade Templating Engine
- Laravel Artisan CLI

MODULE 15

Laravel Advanced Concepts

- Eloquent ORM
- Middleware
- Request Validation
- Authentication & Authorization

MODULE 16

Laravel REST API Development

- API Resources & Controllers
- JSON Responses
- API Authentication (JWT, Sanctum)
- Postman Testing

MODULE 17

CodeIgniter

- MVC Pattern
- Helpers, Libraries
- CRUD with MySQL
- Form Validation

MODULE 18

Working with JSON & APIs

- Consuming 3rd Party APIs
- Outputting JSON from PHP
- Integration with Frontend
- AJAX Calls with PHP backend

MODULE 19

Authentication & Sessions

- Manual Login System
- Laravel/Auth System
- Password Hashing
- Role-based Access Control

MODULE 20

Advanced SQL & Database Design

- Joins, Views, Indexes
- Database Normalization
- Foreign Keys & Constraints
- Query Optimization

MODULE 21

Testing & Debugging

- PHP Debugging Tools (Xdebug)
- Laravel Unit & Feature Tests
- PHPUnit Basics
- Manual vs Automated Testing

MODULE 22

Deployment & Hosting

- Hosting PHP on cPanel
- FTP & File Management
- Laravel Deployment
- Hosting on Heroku / Render / VPS

MODULE 23

DevOps & Docker

- Dockerizing Laravel Apps
- Docker Compose for MySQL/PHP
- Environment Configuration
- CI/CD Introduction

MODULE 24

Capstone Project

- Build a Complete Project (e.g., E-commerce, Blog, CRM)
- REST API Integration
- Admin Panel & User Dashboard
- Role-based Permissions

MODULE 25

Resume + Job Prep

- Building a Developer Resume
- GitHub Portfolio Projects
- Mock Interviews & Q&A
- Freelance / Job Market Tips

Thank You

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