PW SKILLS

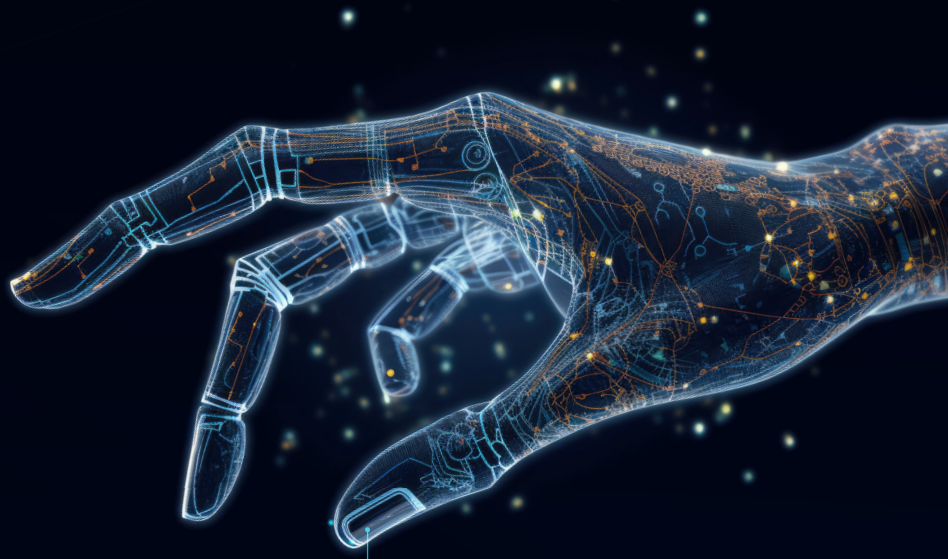
Learn, Create & Succeed with us

FULL STACK DEVELOPMENT

Course

Developing end-to-end web applications

JOB ASSISTANCE JOB ASSISTANCE



INTRODUCING PW SKILLS

PW Skills is a leading tech upskilling platform specializing in cutting-edge AI and Web-related courses with a strong focus on industry practices to help you progress in your professional career.

PW Skills has empowered over **3.5 Lakh learners till** date.

23%

The demand for Web Developers will grow 23% by 2031

$89 B

The global web development market is projected to reach $89 billion by 2027.

8.03%

Web development has a CAGR growth rate of 8.03% by 2027.

Elevate your **Expertise**

&

Embrace the **Digital Revolution!**

UNLEASH YOUR WEB WIZARDRY!

Explore the power of coding with our cutting-edge Full Stack Web Development Pro Program! You'll gain proficiency in database management using MongoDB, server-side development using Node.js and Express.js, and client-side development using React.js.

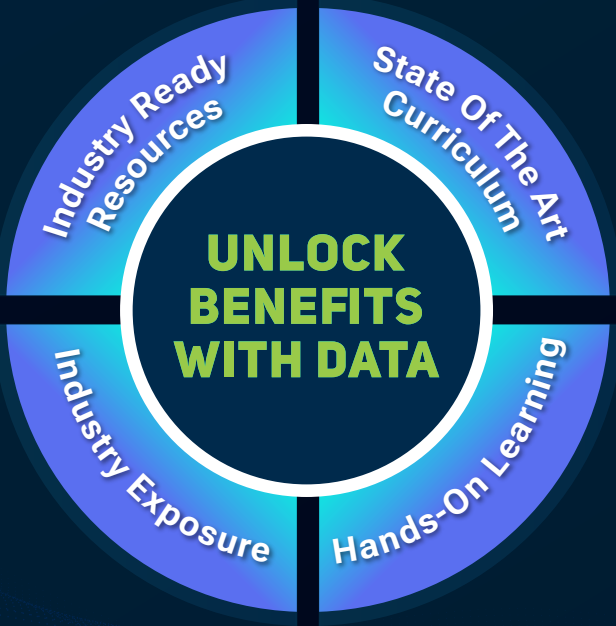
Through this comprehensive program, you will learn to leverage each stack component to build dynamic and scalable web applications.

Join us & become a web wizard!

The journey starts here!.....

Structured Lesson plans for all the modules helpful for revision and Preparation.

Updated program as per current and future trends.



The industry-relevant projects and mentorship provide valuable insights across various domains.

Gain practical insights, and solve real-world challenges in real-time.

COURSE CURRICULUM

Fundamentals

- Basic Of Internet
- Browser
- Client and Server Architecture
- Static and Dynamic Website
- Text editor and IDE

Tailwind CSS

- Understanding Tailwind CSS With Projects

HTML

- Introduction To Web development
- Web Development Tools
- Element and Tag In HTML
- Core HTML
- Media and Forms
- Modern HTML
- Emmet
- SEO

GIT and Github

- Version Control System
- General Commands on Git
- Github

CSS

- Introduction To CSS
- Basics CSS
- Position in CSS
- Flexbox In CSS
- Grid
- Media Query
- CSS Selector
- Advance CSS

Javascript

- Fundamentals Of Javascript
- Operators In javascript
- Type Conversion
- Condition and Loops
- Function in javascript
- Array and Object
- Advance Javascript
- Class In javascript
- Error Handling
- Async Js, Browser API & Window
- DOM

COURSE CURRICULUM

React

- Walkthrough with React
- React Components
- JSX, HOC
- Component Style
- React Router
- Form Handling and API Calls
- Redux Toolkit

Networking

- Introduction to Networking
- DNS and Domain Management
- HTTP and HTTPS Protocols
- Web Application Security:

Node JS

- Intro To NodeJs
- Modules, creation and loading of modules
- Path Module
- OS Module
- File System Module

Express

- Introduction to Express
- Handling HTTP GET & POST Requests
- Environment Variables
- Input Validation
- Handling HTTP PUT/PATCH & DELETE Requests
- Express Middleware
- Creating Custom Middleware
- Built-in Middleware
- Third-party Middleware
- CORS

Database

- File Based Storage System
- What is Schema including ER diagrams
- Intro to DBMS
- Intro to Data Models
- DBMS Classification: Relational & Non relational
- Relational Database Management System(RDBMS)
- Types of Relationships.
- Keys in RDBMS. Primary, Candidate, Super & Foreign
- ACID
- Introduction to Normalization. Why Normalization?
- Join(Inner, Left, Right and Full Joins)
- Dependency (Functional, Inclusion, Multivalued, Join) & Decomposition
- Indexing and Performance Optimization
- Transactions and Concurrency Control
- Database Security

COURSE CURRICULUM

MongoDB

- Schemas
- Models
- Comparison Query Operators
- Logical Query Operators
- Regular Expressions
- Counting
- Pagination

Project On Authentication

- Authentication and Authorization
- Creating a generic User Model
- Adding functionality for registering Users
- Hashing Passwords for added security
- Authenticating Users
- JSON Web Tokens & Intro to SSO (Single Sign On)
- Generating Authentication Tokens

Project On Authentication

- Added security with Environment Variables
- Setting Response Headers
- Encapsulating Logic in Mongoose Models
- Auth Middleware
- Protected Routes
- Retrieving current user information in Frontend
- Logging Out Users
- Role-based Authorization
- Exception handling
- OAuth(Single Sign On), Passport

Working With Files

- Handling file uploads
- Validating files
- Single file and multiple file uploads
- Uploading files to cloud
- Multer, formidable for file processing

Capstone Project

- Frontend
- Backend

CAREER TRANSITIONS

Prithviraj

From
Graduation

To
Software Engineer at LTIMindtree

Vineet Kumar

From
Analyst

To
Senior Software Engineer at Arokee Innovations Pvt Ltd

Lipsa Jena

From
Graduate

To
React Developer at Casefox

Payal Kumari

From
Graduate

To
Software Engineer at Sourcewiz

Avneet Dey

From
Graduate

To
System Engineer at TCS

CAREER TRANSITIONS

Sushree Sangita

From
Graduate

To
Junior UI Developer at
Asite Solutions PVT Ltd

Manas Ranjan

To
Associate Software engineer
at Accion labs

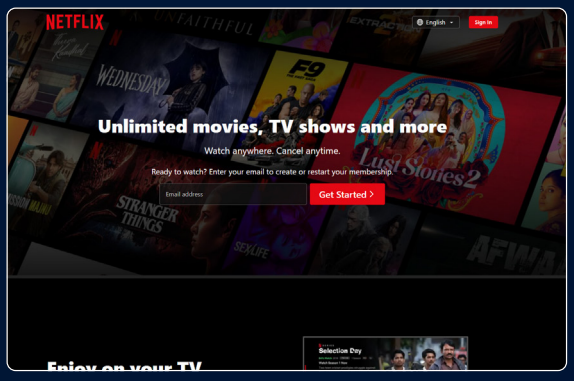
From
Assistant professor

INDUSTRY PROJECTS

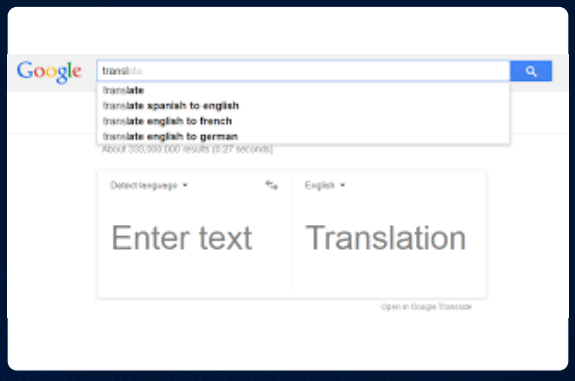
OYO Clone

Gmail Clone Using Tailwind CSS

Kanban Board Using React

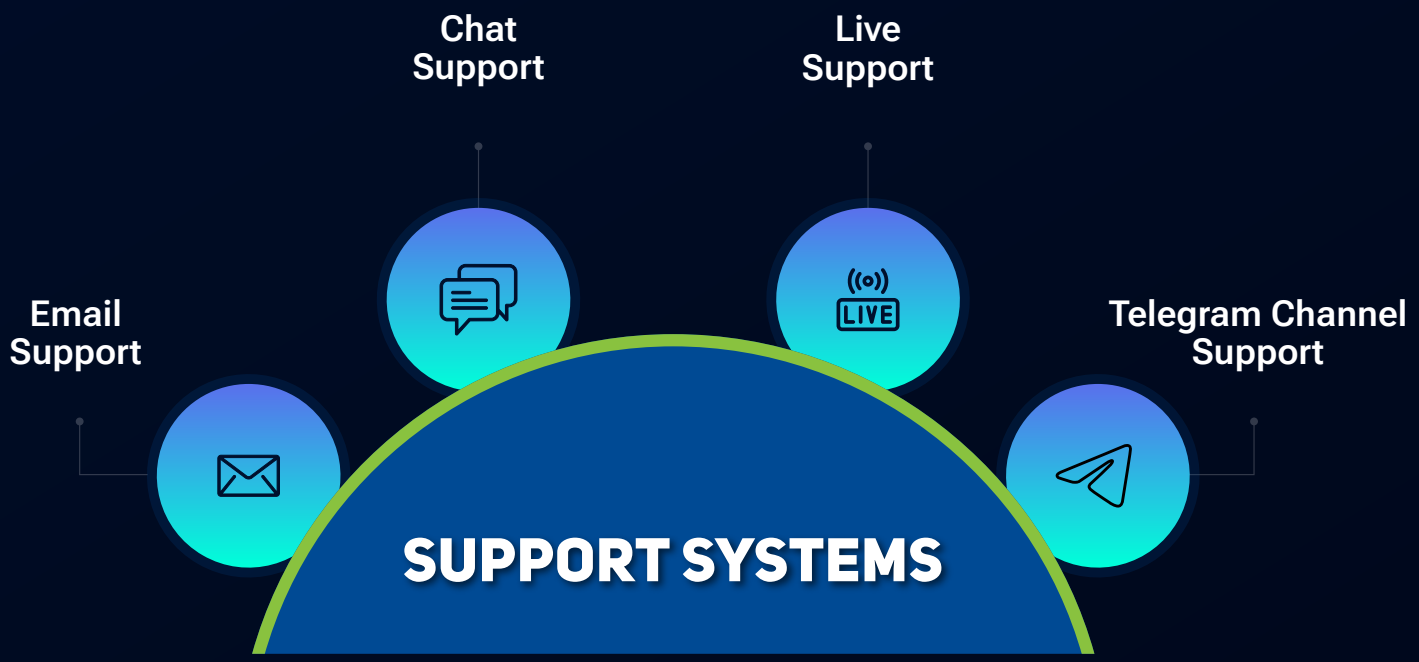


Capstone Project



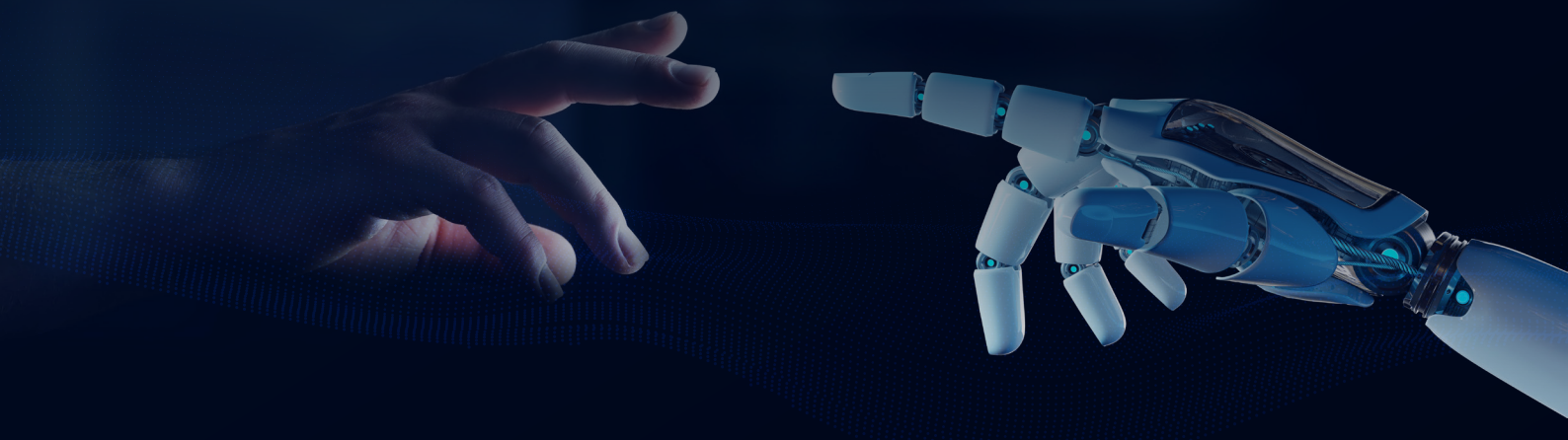
Language translator using google translate API (react)

SUPPORT SYSTEMS



CERTIFICATION

Receive a certificate of completion upon successfully completing this course!



TOOLS COVERED

HTML

CSS

Tailwind CSS

git

ADVANCED JS

mongoDB

node JS

PROUDLY BUILDING CAREERS!

Where Our Alumni Shine Bright

ELIGIBILITY & ADMISSION

- No programming experience is required.
- College students who have recently started and will complete graduation within next 1-3 years are encouraged to apply.
- This program is suitable for fresh graduates and working professionals as well with some relevant work experience.

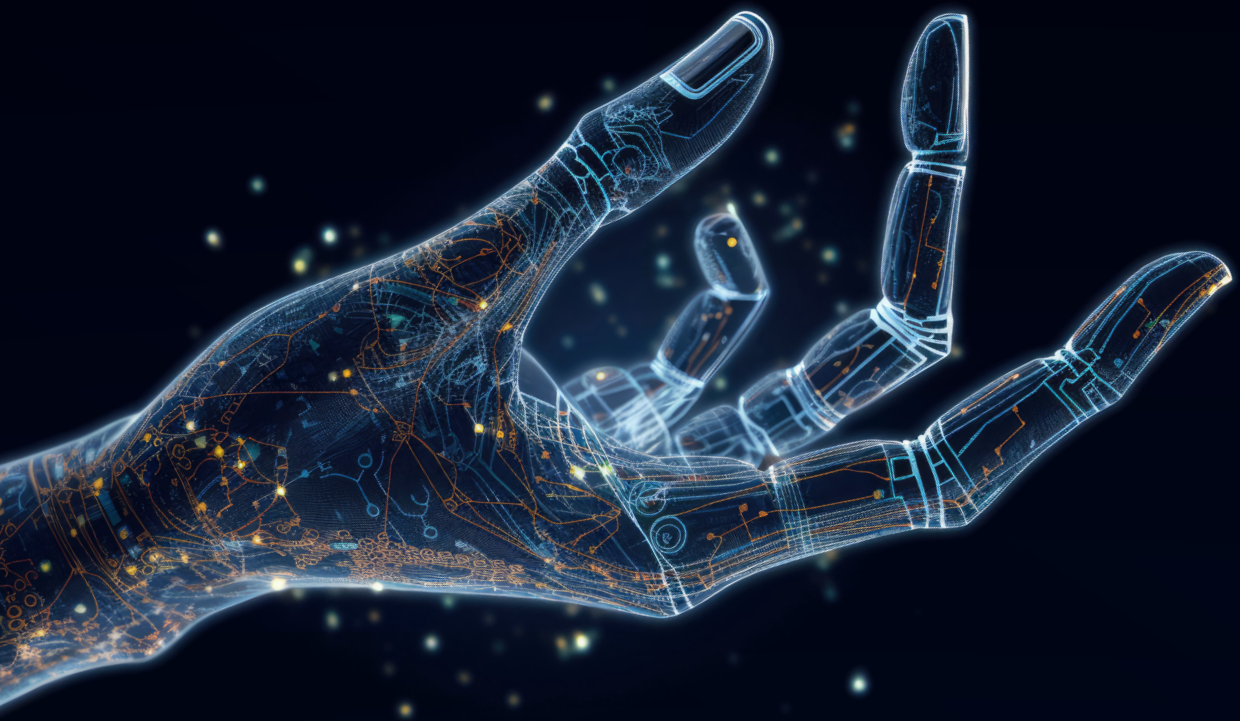
Program Duration

6 months

Delivery Format

blended(Live+Recorded)

PW SKILLS



Contact Us & Enrol now

Brigade Signature Towers,
Sannatammanahalli, Bengaluru,
Karnataka 562129.

+91 6361388292

www.pwskills.com