PNY Trainings

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#1 PAKISTAN'S IT TRAINING INSTITUTE

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Become a Certified
FULL STACK WEB DEVELOPMENT

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06 MONTHS

ABOUT US

PNY Trainings is the first choice of students who want to excel in the field of Internet Marketing. PNY Trainings consists of top-level trainers who are adept in the fields of Internet Marketing. We are the pioneer institute that started comprehensive training for the benefit of students. Since our launch, hundreds of students have been trained and secured good jobs in the expanding IT industry, as we all know. Contact us and Secure your seat for upcoming trainings, events, and seminars.

100K+ ALUMNI	**100+** PROFESSIONAL PROGRAMS	**300+** INSTRUCTORS	**100+** MOUs SIGNED

WHY US ?

12+ Years of Excellence

Experienced Trainers

Jobs Placement Cell

Practice-Based Learning

Career Oriented Learning

Industry Connectivity

WE OFFER

Development

Marketing

Art & Design

Multimedia

Networking & Cyber Security

Business & Accounts

Languages

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SALIENT FEATURES

PNY Trainings

Follow-Up Sessions

Practical learning

Internships/Jobs Opportunities

LMS

Learning Management System

Expert Mentorship

WHY THIS COURSE ?

- HTML – Structure of web pages.

- CSS – Styling and layout (including Flexbox & Grid).

- JavaScript – Adding interactivity and dynamic features.

- Frontend Frameworks – Learn React.js, Vue.js, or Angular for modern UI development.

- Responsive Design – Making websites mobile-friendly with Bootstrap or Tailwind CSS

COURSE OUTLINE

MODULE TOPICS:

1. FRONTEND- (HTML5, CSS3, BOOTSTRAP) + JAVASCRIPT + REACTJS + REDUX + TAILWIND CSS
2. BACKEND- (NODEJS, EXPRESS, MONGODB) + NEXTJS
3. PYTHON

1: HTML

- INTRODUCTION
- HTML BASIC
- HTML4 DEFF HTML5
- TAGS
- PARAGRAPH
- IMAGES
- LISTS
- DIV ELEMENTS
- SPAN
- TABLES
- MAIN SEMANTIC ELEMENTS
- HEADER
- NAV
- SECTION
- FORM
- ASIDE
- ARTICLE
- FOOTER

2: CSS (CASCADING STYLE SHEET)

- INTRODUCTION CSS
- COLOR
- BACKGROUND
- BORDER
- PADDING
- MARGIN
- HEIGHT
- WEIGHT

- FONT
- TEXT
- HTML SELECTORS
- BOX MODEL
- OPACITY
- POSITION
- PSEUDO ELEMENT
- Z-INDEX
- SHADOW
- BUTTON
- FLEXBOX
- ALIGN
- FLOAT
- OUTLINE
- RESPONSIVENESS

3: BOOTSTRAP

- INTRODUCTION
- BASIC CONCEPT
- GRIDS
- BREAKPOINTS
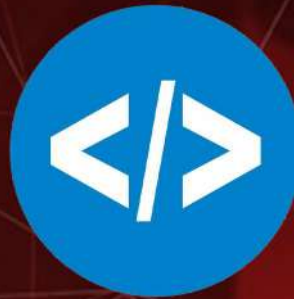- MARGIN
- PADDING
- COLOR
- NAVIGATION
- AND MORE

4: JAVASCRIPT PROGRAMMING

- FUNDAMENTALS OF JAVASCRIPT PROGRAMMING
- VARIABLES
- FUNCTION
- CONDITION
- OPERATORS
- LOGIC
- GENERAL LOOPS
- ARRAYS, OBJECTS
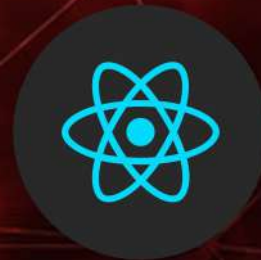- ARRAY METHODS
- OBJECT METHODS

- STRING METHODS
- PARAMETERS, ARGUMENTS AND RETURN VALUE
- DRY CODE FORMULA
- NESTED FUCTION
- NESTED LOOP
- DATA TYPES
- EVENTS
- DATE
- MATH METHOD
- SWITCH STATEMENT
- ARROW FUCTION
- LETS, CONST
- DATA DESTRUCTURING
- SPREAD OPERATORS
- OBJECT LITERALS
- TEMPLATE / STRING LITERALS
- CALLBACK FUNCTIONS
- PROMISES
- ASYNC AWAIT
- MAP
- FILTER
- REDUCE
- FOREACH VS MAP METHODS
- PARSING DATA WITH (JSON)
- INTRO DOM (DOCUMENT OBJECT MODEL)
- INTRO BOM (BROWSER OBJECT MODEL)
- CODING INTERVIEW

REACTJS (MODERN WEB LIBRARY)

- INTRODUCTION REACTJS
- UNDERSTAND REACTJS FLOW
- FOLDER STRUCTURE
- REACT JSX
- REACT COMPONENTS
- BUILD SIMPLE REACT COMPONENT
- COMPONENT STYLING
- IMPLEMENT STYLE
- PASS DATA ONE TO SECOND COMPOMENT

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- STATE VS PROP
- HOOK
- REACT ROUTING
- REACT FORM
- REACT WITH BOOTSTRAP
- AXIOS API INTEGRATION

6: TAILWIND CSS (BASIC)

- INTRODUCTION
- HTML TEMPLATE
- FONTS & COLORS
- MARGIN, PADDING & BORDERS
- TAILWIND CONFIG
- CUSTOM
- RESPONSIVE CLASSES
- CARD
- BADGES
- GRIDS
- BUTTONS
- RESPONSIVE NAV
- DISPLAY
- POSINTION
- FLEX PROPERTY

BACKEND DEVELOPMENT AND APIS MAKING USING NODEJS, EXPRESSJS AND MONGODB

1: NODEJS

- INTRO NODEJS
- ARCHITECTURE OF NODEJS
- ASYN AWAIT
- HTTP
- CREATE SERVER
- DESIGN API'S
- GET METHOD
- FILE SYSTEM

2: EXPRESS JS

- INTRO EXPRESSJS
- INTRO MVC
- CREATE SERVER WITH EXPRESS
- CREATE FOLDER STRUCTURE
- ROUTING
- API METHOD
- ENVIRONMENT VARIABLE
- NODEMON
- HANDLE JSON
- POSTMAN
- BUILD RESTFULL API
- ADV MIDDLEWARE
- HANDLE JWT TOKEN
- CONFIGURATION
- DEBUGGING
- AUTHENTICATION
- CRUD PROJECT

3: MONGO DB

- INTRO MONGODB
- CREATE DB
- CONNECT TO NODEJS
- CREATE SCHEMA
- ADD COLLECTION
- API QUERYS
- INSERT
- FIND
- UPDATE
- DELETE
- DB VALIDATION
- QUERY OPERATORS

4: NEXTJS

- INTRO NEXTJS
- UNDERSTAND NEXT FLOW
- FOLDER STRUCTURE
- ROUTING
- DATA FETCHING
- RENDERING
- SERVER
- CLIENT
- PAGES
- STYLING
- TAILWIND CSS
- BUILD PROJECT

5: PYTHON

- INTRO PYTHON
- PROGRAMMING FLOW CONTROLS
- INTRO CORE PYTHON LANGUAGE
- VARIABLE
- DATA TYPE
- STRING
- NUMBER
- OPERATION & EXPRESSIONS
- INCREMENT/DECREMENT
- PROGRAMMING COMMENTS
- ASSIGNMENT PROJECT
- IF STATEMENT
- IF-ELSS STATEMENT
- IF-ELSE IF STATEMENT
- WHILE LOOP
- FUCTION
- ASSIGNMENT PROJECT

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Pakistan's **No. 01**
IT Training Institute

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PRESIDENTIAL AWARD WINNER '23

PRESIDENTIAL
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100K+
ALUMNI

100+
PROFESSIONAL
PROGRAMS

300+
INSTRUCTORS

100+
MOUs SIGNED

Our Strength:

☑ International Collaborations
☑ Awarded by USA Education 2.0

☑ Multiple Branches in Pakistan
☑ Affiliated with Govt.(PSDA & PBTE)

HTML5

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