

## INTRODUCTION //

Valuemax Coders' Hub is made up of tech experts coming from diverse programming language background with many years of experience. All our training packages focus more on acquiring the skill and best practices in the industry than for academic purpose only. We take you by hand towards building your own apps/design. And after you are done with the training , we have a mentorship programme put in place to help you have your feet firmly established in the industry.

Whether you are a green horn in computer world or an average user, we have a place for you; please be ready for lots of assignments and real time live projects because we believe no one learns computer on paper.

As you sign up for any of our training packages, we encourage you to have a personal computer to facilitate uninterrupted practice.

Below are the details of Tech Stacks we offer for now:

## PROGRAMMING COURSES

### WEB APP PROGRAMMING //

Web app programming refers to the development of applications that run on the web/browser rather than being installed locally on a user's device.

Web app programming involves creating the front-end/user interface of the application, as well as the back-end logic/ server-side scripting to enable the application function and interact with other systems and database.

For the purpose of learning, monitoring and evaluating students and the demand in the industry, we divide this module into 2 major categories: front-end development and server-side development.

### FIRST MODULE // FRONT-END PROGRAMMING

#### STAGE 1 // Responsive Web Interface/Design

In this module, the student will be exposed to all the details of HTML 5, CSS3 syntax, media queries, Bootstrap/Foundation/Semantic UI, remote server management, git and github for version control.

The utmost goal here is to lead the students to building any responsive web interface/design that may come their way. Each student will be deploying their own application/web interface to demonstrate that learning has taken place.

DURATION - 2 MONTHS ; PRICE - 60K

STAGE 2 // Javascript and its Libraries - any of React.js/Vue.js/Angular/jQuery.

Javascript is one of the most popular programming languages by popular demand. This course will cover all the basic syntax of javascript, functions and classes, DOM manipulation, form validation, JS properties and methods,

working with time and date and debugging js code. We will also cover JS component design, conditional rendering, useState, useEffect and many more. The student will be led to building various front-end based JS applications including games and many others to demonstrate that learning has indeed taken place.

DURATION - 2 MONTHS ; PRICE - 60K

### SECOND MODULE // BACK-END PROGRAMMING

Server-side Programming uses database technologies and server-side scripting languages to create a dynamic website.

Note that knowledge of front-side web programming is a prerequisite for enrolling in server-side class.

By taking this course, you will be able to create and manage server-based applications and API building using server scripting language.

To do this you are expected to pick any of:

- PHP | NODE.JS | PYTHON-DJANGO OR PYTHON-FLASK and any of the following databases technology:
- MYSQL | POSTGRESQL | MONGODB

We will also learn :

- JSON, AJAX.
- API INTERGRATION.

DURATION: 3 MONTHS ; PRICE - 100K

### PYTHON PROGRAMMING //

Python programming is one of the most in-demand programming languages globally for its general purpose capability in data science, web development and scientific computing.

For the purpose of learning evaluation, monitoring and the demand in the industry, we divide this module into 3 stages:

#### STAGE 1 // BASIC PYTHON PROGRAMMING

At this stage, you will learn all the syntax of python programming, including variables and conditionals, looping and iteration, functions and classes, lambda and importing modules in python.

This will give you a strong foundation in the world of Python for data science, artificial intelligence, and machine learning, back-end for web app programming, desktop application, and device programming.

DURATION - 1 MONTHS ; PRICE 30K

#### STAGE 2 // DATA SCIENCE | MACHINE LEARNING

At this stage, we will tailor your knowledge of python towards best practice in data science such as file handling, data frame, data cleaning and formatting,

Numpy, Pandas, Matplotlib, Seaborn, Scipy, Statsmodel and Scikit-Learn, analyzing millions of data and building simple applications with the knowledge gained, and train your model.

(NB: Please note that the knowledge of basic python programming is required)

DURATION - 2 MONTHS ; PRICE 60K

### STAGE 3 // ARTIFICIAL INTELLIGENCE

At this stage, we will cover four subfields in artificial intelligence namely:

- Natural Language Processing: speech recognition, machine translation, and text classification.
- Computer Vision: image recognition, object detection, image generation.
- Deep Learning: convolutional neural networks (CNNs) and recurrent neural networks (RNNs), fine-tuning hyperparameters, and deploying the trained model in a production environment
- Various ML, AI libraries: spacy, textblob, tensorflow, chatbot, openCV, chatterbot, NearText

(NB: Please note that the knowledge of basic python programming and data science is required)

DURATION - 3 MONTHS ; PRICE - 100K

### DESKTOP APP PROGRAMMING //

Desktop Application Programming is a broad field that encompasses a wide range of programming languages and frameworks, as well as a wide range of application types, such as games, productivity tools, and scientific simulations. This is a type of software program that runs on a desktop computer or laptop without the need for internet connection.

Our choice of language for desktop programming is Python for its ubiquity. Please note that knowledge of Python syntax is a prerequisite for this course. Our goal for this course is to guide students in creating their own desktop application, testing it, deploying it and maintaining it. To accomplish this, we will learn Tkinter and PyQt

DURATION - 2 MONTHS ; PRICE 70K

### MOBILE APP PROGRAMMING //

Mobile development is about creating applications and other software for mobile devices, including tablets and

smartphones. At Valuemax, we focus on a hybrid approach to mobile app development, using languages that work cross-platform on both Android and iOS devices, as well as been able to host your app on the Google Play Store and the Apple App Store.

Please take note that a good knowledge of front-end web app development is necessary before delving into mobile app development.

To accomplish this, students will pick any of the following as language of development:

- REACT NATIVE: Creating components, handling state, and using the built-in UI components, Navigation, styling and emulator.
- IONIC FRAMEWORK: Navigation, styling , Adding native functionality.
- FLUTTER: dart syntax, layout, widgets, and state management.

We will also learn:

- Working with API
- Testing your app and Debugging
- Deploying your app to stores.

DURATION - 3 MONTHS ; PRICE 130K

## NON - PROGRAMMING COURSES

### UI/UX //

UI/UX design refers to the process of designing the user interface and user experience of a digital product, such as a website or mobile app. The goal of UI/UX design is to create a product that is easy to use, visually appealing and provides a positive user experience. UI/UX is that first thing to be done before a web app or mobile app developer start their work.

At the end of this training, you will be able to define the problem and target audience for a design, Create wireframes and prototypes, Design the user interface for web and mobile app, conduct user research and usability testing to improve the overall user experience of the product and create user personas, and understand user needs and behaviours.

This course will also cover the importance of accessibility and creating designs that are inclusive for all users. You will learn how to create designs that are responsive and adaptable to different devices and screen sizes.

Tools of Trade: Adobe XD and Figma.

DURATION 3 MONTHS ; PRICE - 100K

### CMS-BASED WEB DESIGNING //

CMS stands for Content Management System. They are online software platforms designed for creating, designing and maintaining websites. Web design encompasses various tasks such as webpage layout,

content production, and web graphic design.

At the end of this programme, Student will be able to:

- Design engaging and responsive landing pages and websites for organizations, businesses etc.
- Design and efficiently manage blog website
- Develop e-commerce systems.
- Integrate client CMS programs and data feeds into websites.

To achieve this, students will learn to use popular CMS platforms such as WordPress, Joomla, Drupal, or Magento. They will also learn advanced plugin integration, domain and hosting management, and website management.

DURATION - 2 MONTHS; PRICE - 60K

#### DATA ANALYSIS | BUSINESS ANALYSIS //

Data analysis is the process of examining, cleansing, transforming, and modeling data with the goal of discovering useful insights, informing conclusions, and supporting decision-making. It involves the use of statistical and analytical methods to understand patterns, trends, and relationships in data. The difference between data analysis and business analysis is that, while data analysis focuses on the data itself, business analysis focuses on using the data to address the business needs and problems.

Taking this course will enable you:

- Do project and research analysis
- Design questionnaires and data modeling.
- Extract, analyse and interpret data from a range of sources.
- Visualize your result using statistical charts.
- Turn raw data into meaningful information that organization can use to improve their business.

The above will be achieved by learning ~

FOR DATA ANALYSIS: Advance Microsoft Excel and SPSS

FOR BUSINESS ANALYSIS: Advance Microsoft Excel and power BI.

Please note that the knowledge of basic mathematical and statistical concepts is required to take this course.

EITHER OF THE TWO: DURATION - 2 MONTHS; PRICE - 70K

BOTH: DURATION 3 MONTHS; PRICE - 110K

#### GRAPHIC DESIGN //

Graphic designers/artists design graphics for use in media products such as magazines, labels, advertising, book work and signage. The demand for graphic artists is always high as many soft skills leverage on this skill.

On completing the course, you will be able to design for any print media, digital media, video-based or animation design. You will learn principles such as layout, typography, and color

theory, as well as provide hands-on experience with industry-standard software to create professional-quality designs.

Additionally, students will learn how to also have the opportunity to work on real-world projects and receive feedback from instructors and peers to improve their skills.

#### WHAT YOU WILL LEARN:

- One vector design package between :  
CORELDRAW | ADOBE INDESIGN
- One of ADOBE PHOTOSHOP | FIREWORKS

DURATION - 2 MONTHS; PRICE 50K

#### DIGITAL MARKETING //

Digital marketing is the practice of promoting products, services or brands through various forms of electronic media.

Out of several channels of digital marketing, we focus on 5 channels. Each of them can be taken as individual campaign channel or taken together depending on the goal of the campaign and audience.

**SOCIAL MEDIA** // You will be able to create a strong social media profile, developing the best content strategy, audience analysis, Running social media campaigns, Measuring and analyzing social media metrics.

DURATION - 1 MONTH ; PRICE - 30K

**SEARCH ENGINE OPTIMIZATION (SEO)** // Learning Search Engine Optimization will enable you to do Keyword research, building backlinks, do technical SEO, Measuring and analyzing SEO, avoiding common SEO mistakes.

DURATION - 1 MONTH ;PRICE - 30K

**SEARCH ENGINE MARKETING (SEM)** // pay-per-click (PPC), cost-per-impression (CPI), and advertising and cost-per-acquisition (CPA).

DURATION - 1 MONTH; PRICE - 30K

**EMAIL MARKETING** // Building a genuine email list, Creating email campaigns, Automation and personalization, tools for Measuring and analyzing email marketing, spam laws, A/B testing and trigger-based email campaigns.

DURATION - 1 MONTH; PRICE - 30K

**CONTENT MARKETING/BLOGGING** // Target audience analysis, Content strategy and planning, different Content creations, Content promotion and distribution.

DURATION - 2 WEEKS; PRICE - 20K

#### FOUNDATION COMPUTER TRAINING //

This is where it all starts - laying a solid foundation of your knowledge of computer. The course will cover the fundamentals of computer hardware, operating systems, and common software applications such as Microsoft Word, Excel, and Powerpoint. Additionally, students will learn about online tools and platforms for professional collaboration and communication. After completing the course, students will have solid foundation of computer skills that can be used in various industries and career paths.

DURATION - 3 MONTHS ;PRICE - 50K

## OUR SERVICES

- Web App Development
- Mobile App Development
- Custom Software Development
- Data Analysis
- Data Management
- Professional Website Design
- Training & Consultancy
- UI/UX
- Professional Graphics Design
- Branding & Advertisement
- Large Format Printing Press
- General Printing & Publishing
- Online Services

#### All payments to:

FCMB: 3395380015; FIRSTBANK: 2022325907;  
ACCT NAME: VALUEMAX COMMUNICATIONS

30, Oyo Road, Opposite U.I Post Office, Ibadan, Oyo state



0702 524 5467

You can get the outline for each of the courses @:

[www.valuemaxonline.com/training.php](http://www.valuemaxonline.com/training.php)



VALUEMAX  
CODERS' HUB

## TRAINING BROCHURE ( 2023)

### TECH STACKS WE OFFER :

WEB APP PROGRAMMING

DATA SCIENCE

ARTIFICIAL INTELLIGENCE

MOBILE APP PROGRAMMING

DESKTOP APP PROGRAMMING

DATA ANALYSIS

BUSINESS ANALYSIS

DIGITAL MARKETING

CMS-BASED WEB DESIGNING

UI/UX

GRAPHIC DESIGN

FOUNDATION COMPUTER TRAINING

0909 722 1954

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