



BMK ONLINE TECHNOLOGY ACADEMY

MOTTO: Empowering Digital Skills

Address: Farato Bojang Kunda Village | West Coast Region | Online
The Gambia

TeL: +2206528592/+2203035086

Website: <https://bmkonlinetechedu.netlify.app> || **Email:** bmkonlinetechacademy@gmail.com

BMK Online Technology Academy Course Curriculum

About BMK Online Technology Academy

BMK Online Technology Academy is dedicated to providing quality education in technology-related fields. Our structured programs ensure that students gain foundational, intermediate, and advanced knowledge, equipping them with the necessary skills for career advancement or further education.

Certificate Level (Level 1)

Course Objectives

- Develop basic computer literacy and foundational skills in IT.
- Introduce fundamental concepts in programming, networking, and data analysis.
- Enable students to use Microsoft Office applications efficiently.
- Provide hands-on experience with web development and graphic design tools.

Microsoft Office Application Package

- Introduction to Computers and Operating Systems
- Microsoft Word (Basic Formatting, Document Creation)
- Microsoft Excel (Basic Formulas, Data Entry)
- Microsoft PowerPoint (Creating Presentations)
- Microsoft Access (Basic Database Concepts)
- Internet and Email Usage

Web Development (Front-End) and CMS

- Introduction to HTML & CSS
- Basic Web Page Structuring

- Introduction to CMS (WordPress, Joomla)
- Web Hosting Basics
- Introduction to JavaScript

Networking

- Introduction to Computer Networks
- Network Devices and Topologies
- IP Addressing Basics
- Network Troubleshooting Basics

Data Analysis

- Introduction to Data Analytics
- Basic Excel Data Analysis Functions
- Introduction to Google Sheets

Programming (C++, Python, and Other Languages)

- Introduction to Programming Concepts
- Basics of C++
- Basics of Python
- Writing and Executing Simple Programs

Graphic Design

- Introduction to Graphic Design
- Basic Power point and Coral Draw
- Designing Simple ID Card, Certificates and Flyers and Posters

Assessment & Certification

- Continuous assessments through quizzes and assignments.
- Final project or exam to demonstrate skills.
- Certification awarded upon successful completion.

Diploma Level (Level 2)

Course Objectives

- Build upon foundational knowledge and introduce intermediate-level skills.
- Enhance problem-solving abilities in programming and networking.
- Develop professional-level proficiency in Microsoft Office applications.
- Improve technical capabilities in data analysis and visualization.

Microsoft Office Application Package

- Advanced Word Processing
- Advanced Excel (Functions, Macros, Pivot Tables)
- Advanced PowerPoint Animations and Presentations
- Microsoft Access (Database Management)

Web Development (Front-End) and CMS

- Advanced HTML & CSS
- JavaScript and jQuery Basics
- Responsive Web Design
- CMS Customization (WordPress Themes & Plugins)

Networking

- Networking Protocols (TCP/IP, DNS, DHCP)
- Network Security Basics
- Introduction to Network Administration

Data Analysis

- Intermediate Data Cleaning and Processing
- Introduction to SQL for Data Analysis
- Data Visualization with Excel and Google Sheets

Programming (C++, Python, and Other Languages)

- Intermediate C++ (Functions, Object-Oriented Programming)
- Intermediate Python (Data Types, Functions, Libraries)
- Introduction to Java or JavaScript

Graphic Design

- Advanced Coraldraw
- Logo Design and Branding
- UI/UX Basics for Web and Mobile

Assessment & Certification

- Mid-course projects and final capstone project.
- Practical exams for technical skills evaluation.
- Certification awarded upon successful completion.

Advanced Level (Level 3)

Course Objectives

- Develop advanced-level technical and problem-solving skills.
- Equip students with industry-ready expertise in programming, networking, and data analysis.
- Prepare students for professional certifications and job placement.
- Enable students to build and manage advanced IT systems and software.

Microsoft Office Application Package

- Microsoft Office Automation and Integration
- Excel VBA for Advanced Data Analysis
- Advanced Database Management in Access

Web Development (Front-End) and CMS

- JavaScript Frameworks (React, Vue.js)
- Advanced CMS Customization
- API Integration in Web Development

Networking

- Network Configuration and Administration
- Cybersecurity Fundamentals
- Introduction to Cloud Networking

Data Analysis

- Advanced SQL and Data Queries

- Python for Data Science (Pandas, NumPy, Matplotlib)

- Machine Learning Basics with Python

Programming (C++, Python, and Other Languages)

- Advanced C++ (Data Structures, Algorithms)

- Advanced Python (Automation, Web Scraping, AI/ML Basics)

- Software Development Project

Graphic Design

- UI/UX Advanced Design

- Motion Graphics and Animation

- Full Branding and Marketing Design

Assessment & Certification

- Real-world case studies and hands-on projects.

- Industry certification preparation.

- Certification and diploma awarded upon successful completion.

Contact Information

Details

- Email: bmkonlinetechacademy@gmail.com

- Website: <https://bmkonlinetechedu.netlify.app>

- Phone: +2203035086/6528592

- Location: Online

For any inquiries, please use the contact details provided above to reach out to us. Use the provided links to navigate through our learning platforms. We wish you the best of luck as you dedicate your time to completing your desired programs with us.