



# Curriculum for ai LAB

SEMESTER NAME:  
INTRODUCTION TO PROGRAMMING, STEM & ARTIFICIAL  
INTELLIGENCE

 [www.ailabs.ng](http://www.ailabs.ng)

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# CURRICULUM FOR AILabs PROGRAM

| S/N | Course Title            | Topic  | Date   | Time | Instructor            |
|-----|-------------------------|--|--|------|-----------------------|
| 1   | C LECTURE & MATHEMATICS | The Power of C:<br>Introduction to programming, Algorithms and Machine C and the IOT world, Engineering with C, Cybersecurity with C, C in the enterprise today. C as a gateway to JAVA.<br>Writing your first C language Code | Wednesday<br>18 <sup>th</sup> August, 2021   | 3pm  | Mr Ezeukwu<br>Osuagwu |
| 2   | C LECTURE & MATHEMATICS | Variables, Functions, Arguments & Arrays:<br>Computer memory and Computer execution. Understanding information and data would help you in programming in general.  | Wednesday<br>1 <sup>st</sup> September, 2021 | 3pm  | Mr Ezeukwu<br>Osuagwu |
| 3   | C LECTURE & MATHEMATICS | Types, Operators, Expressions:<br>Domain designs, Operations and Equations. With this chapter; the<br>Computer can solve problems in Science and Engineering for you using C   | Wednesday<br>15th September,<br>2021         | 3pm  | Mr Ezeukwu<br>Osuagwu |

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| 4   | C LECTURE & MATHEMATICS | Flow Control:<br>With this lesson you are ready to write simple Games and control any logic. Algorithms would come to live with this | Wednesday<br>29 <sup>th</sup> September,<br>2021 | 3pm  | Mr Ezeukwu<br>Osuagwu |
| 5   | C LECTURE & MATHEMATICS | Functions & Program Structure<br>Deeper look at variables, recursions and C standard files.  | Wednesday<br>6 <sup>th</sup> October, 2021       | 3pm  | Mr Ezeukwu<br>Osuagwu |
| 6   | C LECTURE & MATHEMATICS | Pointers and Arrays<br>Processor architecture, pointers and array manipulations. This is the heart of the operation of C.            | Wednesday<br>20 <sup>th</sup> October, 2021      | 3pm  | Mr Ezeukwu<br>Osuagwu |

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| 7   | C LECTURE & MATHEMATICS | Structures<br>Structures as an introduction to domain modelling and Object-oriented thinking. | Wednesday<br>27 <sup>th</sup> October, 2021    | 3pm  | Mr Ezeukwu<br>Osuagwu      |
| 8   | C LECTURE & MATHEMATICS | I/O Operations:<br>Input and output with C. Key introduction to Unix /Linux programming.      | Wednesday<br>3 <sup>rd</sup> November,<br>2021 | 4pm  | Mr Oluwapelumi<br>Sodeinde |