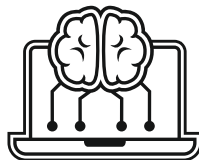




\*Conditions Apply



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# ARTIFICIAL INTELLIGENCE

Duration: 3 Months



Artificial intelligence has become crucial technology to automate various corporate and industrial tasks, the demand for AI experts has risen in the last few years. This program will give knowledge about Artificial Intelligence. AI is a fusion of many fields of study i.e. Computer science, Electrical engineering , Mathematics and Statistics. AI has already been widely used in many aspects of our lives. Personal assistants such as Amazon's Alexa, iPhone's Siri, Microsoft's Cortana, and Google Assistant all rely on AI to understand what you have said and follow the instructions to perform tasks accordingly.

**Career Opportunities:** AI Engineer, Machine Learning Engineer, Data Scientist, Business Intelligence (BI) Developer, Computer Vision Engineer.

## Program Contents

### **Introductory Programming Concepts**

Conditional Statements  
Loops / Arrays  
Object-Orientated Concepts  
Functions/Methods & Classes

Recursion  
Functional Programming  
**Algorithms/ Data Structures**  
Asymptotic Notation  
Arrays [List/ArrayList]

Stacks  
Queues  
Trees  
Graphs  
Hash Tables

Sets  
Heap  
**Mathematics**  
Linear Algebra  
Differential Equations

Multivariable Calculus  
Statistics/Probability