



Ethical Byte

Artificial Intelligence

Table of Content

- 01: Introduction to Artificial intelligence**
- 02: Terminology**
- 03: Artificial Neural Network**
- 04: Intelligent Systems**
- 05: Research Areas**
- 06: Fuzzy Logic Systems**
- 07: Natural Language Processing**
- 08: Robotics**
- 09: Dynamic Programming**
- 10: Data analysis using AI**
- 11: Conclusion**

Description

Artificial intelligence (AI), sometimes called machine intelligence, is intelligence demonstrated by machines and refers to the simulation of human intelligence they are programmed to think like humans and mimic their actions with a human mind such as learning and problem-solving!

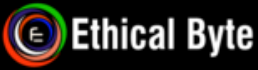
OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in

```
* @var ...
define('PSI_INTERNAL_XML', false);
if (version_compare("5.2", PHP_VERSION, ">")) {
}
if (!extension_loaded("pcre")) {
    // Info requires the pcre extension to php in order to work
    die("pcresupport is not available. Please install it.");
}
require_once APP_ROOT.'/includes/autoloader.inc.php';
// Load configuration
require_once APP_ROOT.'/config.php';
if (!defined('PSI_DEBUG')) {
    define('PSI_DEBUG', false);
}
if (!defined('PSI_FILE')) {
    define('PSI_FILE', APP_ROOT.'/html/error_config.html');
}
```



Angular JS

Table of Content

- 01: Introduction to Angular JS
- 02: Using Services & Dependency Injection
- 03: Changing Pages with Routing
- 04: Handling Forms in Angular Apps
- 05: Using Pipes to Transform Output
- 06: Making Http Requests
- 07: Authentication
- 08: Deploying an Angular App
- 09: Angular Animations
- 10: Making a Website using Angular JS
- 11: Conclusion

Description

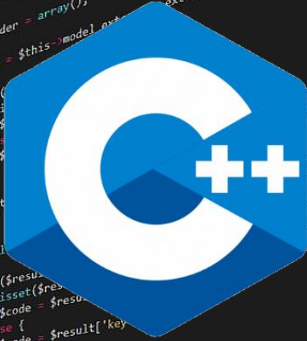
AngularJS is a structural framework for dynamic web apps. It lets you use HTML as your template language and lets you extend HTML's syntax to express your application's components clearly and succinctly.


OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



 Ethical Byte

C++

Table of Content

- 01: Introduction to C++
- 02: Structure of a C++ Program
- 03: Variables and Constants
- 04: Arrays
- 05: Statements and Operators
- 06: Program Flow
- 07: Characters and Strings
- 08: Functions
- 09: Pointers and References
- 10: OOP
- 11: Overloading
- 12: Inheritance
- 13: Exception Handling
- 14: Polymorphism
- 15: Conclusion

Description

C++ is known to be a very powerful language and allows you to have a lot of control as to how you use computer resources. Not only is C++ popular, it is also a very relevant language and it is super-fast, and is a general-purpose programming language that supports both procedure and object-oriented programming making it very flexible.

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



Computer Forensic

Table of Content

- 01: Acquiring Data
- 02: Working with Command line interface and Windows
- 03: Forensics Tools
- 04: Mac and Linux File systems
- 05: Recovering Files
- 06: Data Analysis and Validation
- 07: E-mail and Social Media Investigations
- 08: Mobile device Investigations
- 09: Cloud Forensics
- 10: Conclusion

Description

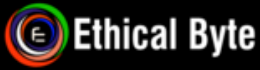
Computer forensics goal is to examine digital media in a forensically sound manner with the aim of identifying, preserving, recovering, analyzing and presenting facts and opinions about the digital information.

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



DATA SCIENCE

Table of Content

- 01: Introduction to Data Science
- 02: Data Collection and Cleaning
- 03: Python Fundamentals
- 04: Control Flow & Functions
- 05: Array Computations
- 06: Data Manipulation
- 07: Visualizing Data
- 08: Web Scraping
- 09: Introduction to Statistical Analysis
- 10: Exploratory Data Analysis
- 11: Probability Distribution Functions
- 12: Inferential Statistics
- 13: Conclusion

Description

Data science is an inter-disciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from many structural and unstructured data. It is a concept to unify statistics, data analysis, machine learning, domain knowledge and their related methods in order to understand and analyze actual phenomena with data.

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in

CYBER SECURITY



ETHICAL HACKING

Table of Content

- 01: Introduction to Ethical Hacking
- 02: Foot printing and Reconnaissance
- 03: Scanning Networks
- 04: Enumeration
- 05: Vulnerability Analysis
- 06: System Hacking
- 07: Malware Threats
- 08: Sniffing
- 09: Social Engineering
- 10: Denial-of-Service
- 11: Session Hijacking
- 12: Evading IDS and Honeypots
- 13: Hacking Web Servers
- 14: Hacking Web Applications
- 15: SQL Injection
- 16: Hacking Wireless Networks
- 17: Hacking Mobile Platforms
- 18: IoT Hacking
- 19: Cryptography

Description

In modern era, technology is growing in high speed, at the same time crim is also increasing from the same technology, by learning Ethical hacking you will be knowing security posture of an organization by identifying vulnerabilities in the network and system infrastructure

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



Ethical Byte

HTML | CSS | Bootstrap

Table of Content

HTML

- 01: Introduction to HTML
- 02: HTML Tags
- 03: Comments
- 04: Basic Layout of a webpage
- 05: Meta Tags
- 06: Id and Class in HTML
- 07: Images and Video
- 08: Forms
- 09: Tables
- 10: Lists

CSS with Bootstrap

- 01: Introduction to CSS
- 02: Basic Syntax
- 03: Selectors
- 04: Specificity
- 05: Padding and Margin
- 06: Styling A Button
- 07: Positions
- 08: Box Model
- 09: Pseudo Elements and Classes
- 10: CSS Grid
- 11: Mobile Responsive website
- 12: Working with SVG

Description

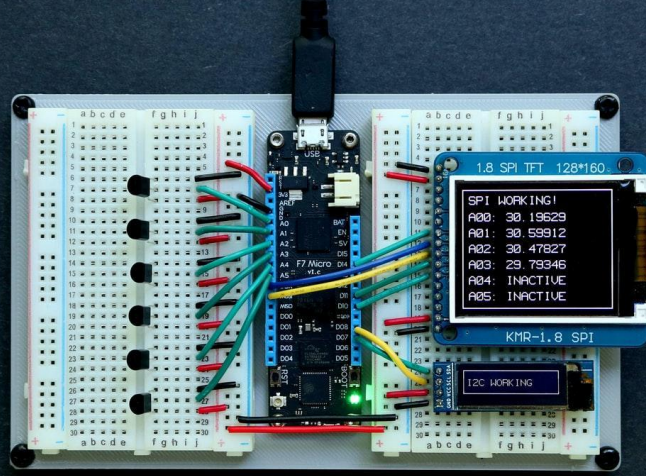
Penetration testing, also called pen testing or ethical hacking, is the practice of testing a computer system, network or web application to find security vulnerabilities that an attacker could exploit

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



Ethical Byte

Internet of Things

Table of Content

- 01: Introduction to Raspberry pi 3 and 4
- 02: Understanding the Raspberry Pi components
- 03: How to install Raspbian OS on Raspberry Pi 3 and 4
- 04: Introduction to C and Arduino
- 05: How to Set up the Home Screen
- 06: Raspberry Pi Sensors and Module Kits
- 07: Making Files and Navigating the File System
- 08: Introduction to the Shell
- 09: Introduction to Python Programming Language
- 10: How to Connect Raspberry Pi 3 and 4 to External Devices
- 12: How to write File Permissions and Arguments commands
- 13: How to Schedule Tasks to Run at Startup
- 14: Variables and Decision Making
- 15: Connecting sensors to home appliances
- 16: Node MCU Projects

Description

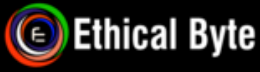
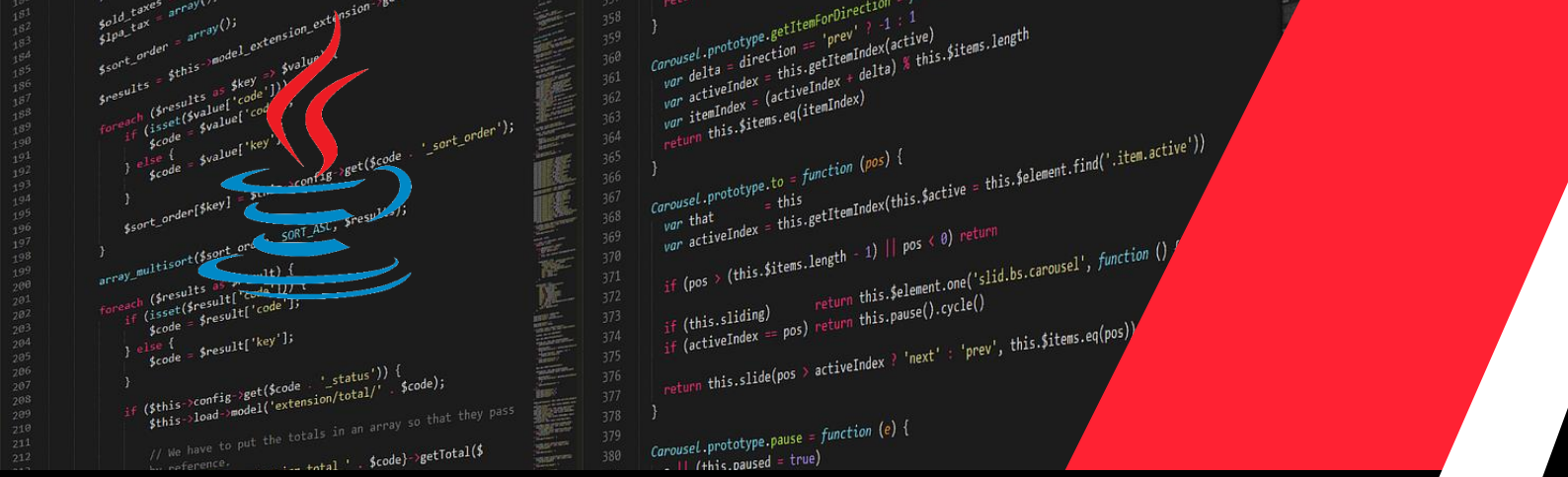
Imagine a world of connected “things” able to talk to a network, internet, to themselves and be able to take actions wonderful right? IoT (internet of things) is a general term used for devices talking over a network for the purpose of Monitoring, Analysis, Control and enhance data collection, automation, operations, and much more through smart devices and powerful enabling technology.

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



Ethical Byte

JAVA

Table of Content

- 01: Introduction to JAVA
- 02: Classes and Objects
- 03: Control-flow Statements
- 04: Packages
- 05: Strings
- 06: OOP
- 07: Exceptions
- 08: Input-Output
- 09: Generics
- 10: Enums
- 11: Databases
- 12: Debugging
- 13: Conclusion

Description

Java is easy to write and easy to run—this is the foundational strength of Java and why many developers program. It can be used to create complete applications that can run on a single computer or be distributed across servers and clients in a network. As a result, you can use it to easily build mobile applications or run on desktop applications that use different operating systems and servers, such as Linux or Windows.

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



Java Script

Table of Content

- 01: Introduction to JavaScript
- 02: DOM
- 03: Basic Syntax
- 04: This Keyword
- 05: Objects
- 06: Data Types
- 07: Arrays
- 08: Loops
- 09: Operators
- 10: OOP
- 11: Sorting
- 12: Conclusion

Description

JavaScript is a client scripting language which is used for creating web pages. It is a standalone language developed in Netscape. It is used when a webpage is to be made dynamic and add special effects on pages like rollover, roll out and many types of graphics.

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



Machine Learning

Table of Content

01: Introduction to Machine Learning

02: Categories in Machine Learning

03: How We Teach Machines

04: Machine Learning Algorithm

05: Python for AI-ML

06: Regression- Linear Regression

07: Regression- Logistic Regression

08: SVM

09: Decision Tree

10: Random Forest

*** Projects will be uploaded to
GitHub in your account***

Description

Machine learning is an application of AI that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. The developers can take advantage of this in creating new Machine Learning models and to re-train the existing models for better performance and results

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



```
GeForce GTX 750 Ti, 824555
GeForce GTX 750 Ti, 821024
GeForce GTX 750 Ti, 825569
GeForce GTX 750 Ti, 825907
GeForce GTX 750 Ti, 826247
GeForce GTX 750 Ti, 831023
GeForce GTX 750 Ti, 8206
GeForce GTX 750 Ti, 8456
GeForce GTX 750 Ti, 8062
GeForce GTX 750 Ti, 85910
GeForce GTX 750 Ti, 826077
GeForce GTX 750 Ti, 825231
GeForce GTX 750 Ti, 825062
GeForce GTX 750 Ti, 826247
GeForce GTX 750 Ti, 826247
GeForce GTX 750 Ti, 825231
GeForce GTX 750 Ti, 825739
```



Table of Content

- 01: Introduction to MySQL
- 02: MySQL Syntax
- 03: MySQL Select
- 04: MySQL | AND | OR | NOT
- 05: Creating a Database
- 06: Creating a Table
- 07: Primary Key
- 08: Foreign Key
- 09: Auto Increment
- 10: SQL Injection
- 11: Hosting
- 12: Conclusion

Description

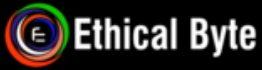
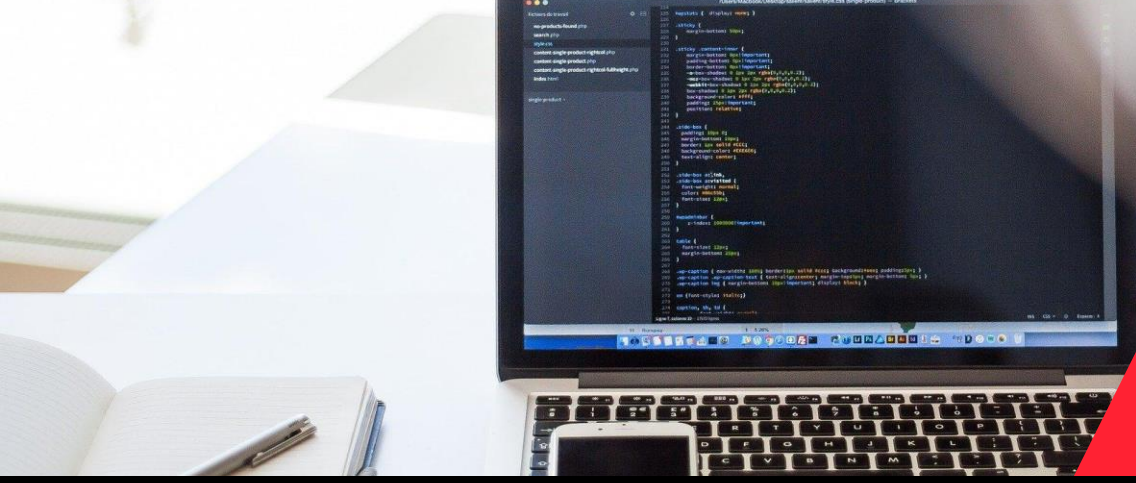
MySQL is a relational database management system based on SQL – Structured Query Language. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



Penetration Testing

Table of Content

- 01: Linux
- 02: Programming
- 03: Metasploit
- 04: Information Gathering
- 05: Vulnerability Discovery
- 06: Traffic Capture
- 07: Exploitation
- 08: Passwords Attacks
- 09: Advanced Exploitation
- 10: Post Exploitation
- 11: Exploit Web Apps
- 12: Developing Exploits
- 13: Smartphone Pentest Framework
- 14: Conclusion

Description

Penetration testing, also called pen testing or ethical hacking, is the practice of testing a computer system, network or web application to find security vulnerabilities that an attacker could exploit

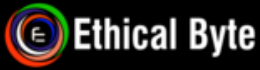
OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in

```
}  
if (!extension_loaded("pcre")) {  
    die("phpSysInfo requires the pcre extension to be  
    properly.");  
}  
  
require_once APP_ROOT.'/includes/autoloader.inc.php';  
  
// Load configuration  
require_once APP_ROOT.'/config.php';  
  
if (!defined('PSI_CONFIG_FILE') || !defined('PSI_DEBUG')) {  
    $tpl = new Template("/templates/html/error_config.html");  
    echo $tpl->fetch();  
}
```



PHP

Table of Content

- 01: Introduction to PHP
- 02: Setup PHP
- 03: PHP Basic Syntax
- 04: Variables
- 05: Echo in Php
- 06: Data types
- 07: Loops
- 08: Arrays
- 09: Form handling
- 10: OOP
- 11: Classes in PHP
- 12: Constructor and Destructor
- 13: Connecting to Database
- 14: Conclusion

Description

PHP is a general-purpose scripting language that is especially suited to server-side web development, in which case PHP generally runs on a web server. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content or dynamic images used on websites

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



Python

Table of Content

- 01: Introduction to Python
- 02: Setup
- 03: Program Flow Control in Python
- 04: Lists, Ranges & Tuples in Python
- 05: The Binary number system
- 06: Python Sets and Dictionaries
- 07: OOP in Python
- 08: Databases in Python
- 09: File Processing
- 10: Packages
- 11: Libraries
- 12: NumPy
- 13: Graphical User Interfaces with Tkinter
- 14: Conclusion

Description

The python language is one of the most accessible programming languages available, it has simplified syntax and not complicated to use and learn for new beginners and newcomers. Due to its big supportive community python has excellent libraries that you can use to select and save your time and effort on the initial cycle of development. Best thing about python language is that it can be used in many varieties of environments such as mobile applications, desktop applications, web development, hardware programming, and many more

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



SEO

Table of Content

- 01: Introduction to SEO
- 02: Get Indexed by Search Engines Faster
- 03: Backlinks
- 04: Title Optimization
- 05: Metatags Optimization
- 06: Verifying Web Site
- 07: Mobile SEO
- 08: Conclusion

Description

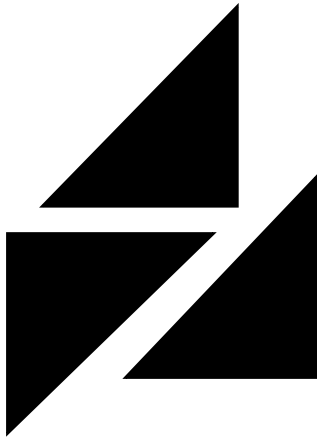
Search engine optimization is the process of optimizing your website to maximize organic traffic from search engines

OUR CONTACT

+91 7259787316

www.ethicalbyte.in

support@ethicalbyte.in



CONTACT

support@ethicalbyte.in

ADMIN

admin@ethicalbyte.in

HR

hr@ethicalbyte.in

PH No: - 72597 87316

