code hive

A UNIT OF OTECHNONIX INDIA PVT. LTD.

CODE HIVE
COURSE OUTLINE BROCHURE

"Shape your future into a
next-level career opportunity"

INTRODUCTION

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Code-Hive is an educational hub offering a diverse spectrum of courses in Digital Technology & providing various IT training programme such as Web Designing, Graphic Designing, Digital Marketing, Hardware & Networking, Software Development, Ethical Hacking & Cyber-Security and many more.

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TABLE OF
CONTENT

GRAPHIC DESIGNING

To create stunning graphics and produce flawless designs using Photoshop, Illustrator & In Design and many more.

SKILLS:

- Graphic Designer
- Web Layout Designer
- Social Media Designer
- Multimedia Artist
- Image Editor

COURSE OUTLINE

- Introduction to Graphic Designing.
- Graphic Design theory / Fundamentals to Graphic Designing.
- Basic principles of color theory, Typography, Branding, Logo Designing.
- Working under different file formats.
- Adobe Photoshop, Illustrator & In Design [Basic / Intermediate / Advance]
- How to make graphical images for web & animation.
- Design modern websites with grid system.
- Logo Designing.
- UI Designing.
- Adobe Dimensions.
- Printing Technologies.
- Art & Visual Graphics.

SOFTWARE

Ps Adobe Photoshop   **Ai** Adobe Illustrator   **Id** Adobe Indesign   CorelDraw

WEB DESIGNING

Master your skills on front-end / back-end specialization,
and learn the full-stack developer concepts from scratch.

SKILLS:

- UI/UX
- CSS
- Typography
- HTML
- PHP

COURSE OUTLINE

- HTML / CSS Concepts crash course.

- Complete Java script / Ajax / Bootstrap.

- Photoshop for Web Design, designing UI elements in Photoshop.

- Designing PSD Templates to Responsive Web Design Projects.

- Creating websites with cool features like Ajax contact form /
  CSS Animation / Parallax Designs.

- Building a server into MVC, Web architecture, HTML, CSS, Javascript,
  Backend architecture etc.

- JS in depth [Learning prototypes, Functional programming].

- Basic API's using Node JS.

- React introduction / BASIC's: Its components, JSX, Build tooling.

- React in depth knowledge: CRA, Router, and SPA Bundle.

SOFTWARE

Javascript   **HTML**   **CSS**   **Adobe XD**   **Figma**

ETHICAL HACKING

Learn ethical hacking, its field and different types of hacking, Linux basics, Learn network hacking, Penetration testing, Run attacks on network without knowing its key, Secure System from all attacks shown, Discover devices connected to the same network / Uses of SQL injections.

SKILLS:

- Programming
- Linux
- Strong Coding
- Computer Networking
- Problem Solving

COURSE OUTLINE

- Basic Linux commands.
- Fundamental ethical hacking attacks & protection method.
- Learn how to trouble shoot networks.
- Penetration & Web testing & Wi-Fi-hacking using Kali Linux tools.
- Learn the advanced concepts of hacking.
- Firewalls, ID's, & honeypot.
- Advanced-level log management.
- Analysis of Network packets.
- System hacking.
- Online cyber security training.
- Windows GUI programs.
- Backdoors & Trojans.

Tools

Nessus

Nikto

NetStumbler

Acunetix

CYBER SECURITY

1. Understand the basic concepts and terminologies, tools used in the information and cyber security fields to secure data and information.
2. Take up entry roles for IT and Cyber security Positions.
3. Differentiate between the various forms of malware and how they affect computers and networks.
4. Protect data movements, access CSP security & manage client databases.

SKILLS:

- Hacking
- Cloud security
- Risk Analysis
- Artificial intelligence
- Blockchain Security

COURSE OUTLINE

1. Fundamentals of Security.
1.1 Comp TIA Security (Core security function to pursue an IT security career).
2. Security System Architecture.
3. Cloud Security Architecture.
4. Networking concepts.
5. Security team management.
6. Popular forms of cyber attacks: Phishing, Bot & Botnets, DOS & DDOS.
7. Malwares: various forms-Viruses, Worms, Trojans.
8. Methods employed by cyber security, to protect system & networks from cyber attacks.
   - Antivirus.
   - Firewalls.
   - Encryption.
   - Methods & Authentication.

SOFTWARE

Metasploit   **Nexpose**   **Burp Suiter**   **KeePass**

DIGITAL MARKETING

Master your skills on Digital Marketing strategy / Social Media Marketing / SEO's / YouTube / Email / Facebook Marketing, Analytics & more.

SKILLS:

- SEO / SEM
- Video marketig
- Data & Analytical
- Design, Thinking & Planning
- Content Marketing & Creation

COURSE OUTLINE

1. Introduction to Digital Marketing.
2. Market Research survey.
3. How to set up a website.
4. Email-Marketing.
5. Copywriting.
6. SEO Checklist.
7. Youtube Marketing.
8. Facebook Marketing.
9. Google AdWords / Ads.
10. Google Analytics.
11. Social Media Ads.
12. Application Marketing.

HARDWARE & NETWORKING

Computer Hardware and Networking is an intriguing field of Computer Science and candidates who seek careers in this field will have to persue Hardware Networking Course.

COURSE OUTLINE

1. Introduction about Computer.
2. Basic networking concepts.
3. Introduction to various networking devices.
4. Inside the PC.
5. Network basic and configuration.
6. Introduction to servers and network security.

code

COMPUTER PROGRAMMING LANGUAGE

An understanding of the key concepts in the implementation of common features of programming languages and to introduce the major programming paradigms, principles & techniques involved in design & implementation of modern programming languages.

COURSE OUTLINE

1. Principles of language design.
2. Specification of language syntax.
3. Introduction to functional Programming.
4. Introduction to logic Programming.
5. Programming language semantics.
6. Values, Bindings, Types.
7. Programming language constructs.
8. Expressions.
9. Statements.
10. Procedures & Environment.

WEB DEVELOPMENT

Learn how build websites mastering your skills in both frontend & backend programming language.

SKILLS:

- HTML
- CSS
- Javascript
- Responsive Web Design
- Analytical Skills

COURSE OUTLINE

1. Introduction to Programming.
2. Basic Data Structures & Algorithms.
3. Introduction to version control.
4. Introduction to Javascript & Type Script.
5. Server Side Development using NodeJs, Mongo DB.
6. System Design.
7. Introduction to Frontend Technologies.
8. Advanced Frontend Technology.
9. Deployment.

Tools

Java

HTML

Node js

react js

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