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# TECHTAN Course Brochure

2024



## MISSION AND VISION

### Mission

Empowering individuals with tailored tech education in a sophisticated environment. We foster excellence, integrity, and empowerment, guiding learners to thrive in the digital era with personalized attention and industry expertise.

### Vision

To be the premier destination for classy tech education, inspiring lifelong learners to unlock their full potential and lead with confidence in the ever-evolving world of technology.

## CORE VALUES

We uphold the highest standards of integrity, transparency, and ethical conduct in all our interactions, building trust with our clients, partners, and community through honesty, accountability, and respect.

We foster a culture of collaboration, teamwork, and inclusivity, valuing diverse perspectives and leveraging collective strengths to drive innovation, foster creativity, and achieve shared goals in the tech community.

We strive for excellence in tech education, delivering high-quality programs and services that exceed expectations, foster innovation, and empower individuals to achieve their goals in the digital realm.

We believe in the power of education to empower individuals and transform lives. We empower learners to unlock their full potential, embrace lifelong learning, and thrive in the digital age.

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Embrace the elegance of luxury,  
and the power of perpetual  
learning in tech. In our journey,  
we fuse opulence with expertise,  
crafting a legacy where  
innovation meets refinement.

SEGUN

# Fullstack Blockchain Development

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## 1. Introduction to Blockchain Technology

- Understanding blockchain fundamentals
- Exploring different types of blockchains
- Introduction to distributed ledger technology (DLT)
- Overview of blockchain platforms and frameworks

## 2. Smart Contract Development

- Introduction to smart contracts
- Writing smart contracts using Solidity
- Testing and debugging smart contracts
- Deploying smart contracts on blockchain networks

## 3. Frontend Development for Blockchain

### Applications

- Basics of frontend development (HTML, CSS, JavaScript)
- Introduction to web3.js for blockchain interaction
- Building user interfaces for blockchain applications
- Integrating frontend with smart contracts

## 4. Backend Development for Blockchain

### Applications

- Introduction to backend development (Node.js, Express.js)
- Setting up a RESTful API for blockchain applications
- Implementing CRUD operations for blockchain data
- Managing user authentication and authorization

## 5. Decentralized Application (DApp) Development

- Understanding the architecture of decentralized applications (DApps)
- Designing and developing DApps using the Truffle framework
- Implementing decentralized storage solutions (IPFS)
- Deploying DApps on Ethereum and other blockchain networks

## 6. Advanced Topics and Project Development

- Exploring advanced blockchain concepts
- Implementing security best practices for blockchain applications
- Developing a fullstack blockchain project
- Final project presentation and evaluation





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# About us

At Techtan, we understand that the digital landscape is ever-evolving, and navigating it can be daunting. That's why we've created a tech hub designed to empower individuals with the skills and knowledge needed to thrive in today's digital era. We provide top-notch tech education in a clean, calm, and classy atmosphere. We believe that learning should be an enriching experience, which is why we've curated a team of expert instructors who are passionate about sharing their knowledge and guiding learners through their tech journey with personalized attention and support.

## ADDRESS

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