Standard Global Curriculum for Classes 6–12

Hosted by CoreDAO.vip – A Community-Driven Educational Movement

🎓📘 Class-wise Curriculum Breakdown

🧠 Class 6 – Introduction to Logical Thinking & Technology

Theme: *"Machines That Think"*

Topics:

- What is AI?
- What is relation between AI/ML/DL?
- What is Blockchain?
    - Key terms
    - Applications
    - DEFI
    - CEFI
- Web Programming
    - HTML
- What is Core Chain?
- What is Coredaovip?
- What is BlackDoge?
- What is NFT?
- What is 9nftmania?

Activities:

- AI tools of textual and Graphics : ChatGpt, Gemini
- Simulating Asset management
- Buy sell operation on following link

https://coredao.vip
https://9nftmania.com

Class 7 – Basics of Data, Code, and Security

Theme: *"Talking to Machines"*

Topics:

- Introduction to data: images, numbers, voice
- AI in daily life
    - Working with AI tool for Multimedia content
    - Game building using AI
- Client side Web Programming
    - CSS
    - Javascript
- Block = Digital Notebook
- Blockchain
    - Role in various sectors: Finance, Healthcare, Education
    - DEFI/ CEFI
    - DEFI/ CEX
    - Introduce Blockchain supported by BlackDoge
- Tokenomics with Coredaovip
    - Supply
    - Core Explorer
    - Circulation
    - Market cap
- NFT
    - Introduction
    - International NFT marketplace: Opensea, YoungParrot
    - NFT Brand: 9nftmania
    - Significance

Activities:

- Prompting on AI tools to generate multimedia content
- Simulating Minting of tokens by Gaming
- Build simple games with Scratch by Integration of AI and Javascript

Class 8 – Thinking Logically, Acting Smart

Theme: *"Build with Brains"*

Topics:

- Understanding algorithms and decisions
- Introduction to Python using blocks
    - Basics
    - Variable, Constants, Keywords
    - Loops
    - Conditional statement
    - Array
    - Working with google Colaboratory
- What are digital signatures?
- What is Hard wallet?
- What is Soft wallet?
- Web 1.0/2.0/3.0
- What is a smart contract?
    - Token as Smart Contract
    - NFT as Smart Contract

Activities:

- Arithmetic and Visual programming in Python
- Configuration of Metamask
- Configuration of Blockchains supported by BlackDoge

Class 9 – Programming & AI Basics

Theme: *"Smart Code, Smarter Decisions"*

Topics:

- Python programming basics
- What is Machine Learning?
- How do apps learn from data?
- Blockchain structure and hashing?
- Proof of work, Proof of Stack?
- Exploring Coredaovip and 9nftmania?
- DEX vs CEX
- DEFI vs CEFI
- Exploring WEB 3.0
- Exploring Opensea
- Researcher Economy
- Working on Dex
    - Swap
    - Liquidity pool
    - Locking
    - Gas fees/ Slippage

Activities:

- Train a basic ML model
    - SVM
    - Naïve Bayes
    - Random Forest
- Working on DEX for Swapping, Stacking, Locking, liquidity pooling

Class 10 – Real-World Applications of AI & Blockchain

Theme: *"Future Tech for Today's Problems"*

Topics:

- Classification, prediction, and learning using Deep learning
    - Text Classification using LSTM
    - Image classification using CNN
- Role of blockchain in voting, healthcare, education
- Ethics in AI
- DAO
- Automated market management
- Role of AI and Blockchain in Resource optimization
- Search Engine Optimization
- Dignified Branding
- Power of Decentralized Liquidity pooling
- Decentralized Governance
- Exploring Trinity Project (9nftmania, Coredaovip, Premium Domain)
- DEX, CEX, CEFI, DEFI, WEB3.0
- Sushiswap, Uniswap, Icecreamswap, Pancakeswap
- Cryptocurrency
- Cryptowallet
- Coin vs Token
- Identification of Scam projects

Activities:

- Deep learning based AI Model for Text and image classification
- Using Python to create Blockchain and simulating transactions

Class 11 – Advanced Foundations

Theme: *"Engineering Intelligence & Trust"*

Topics:

- Supervised & unsupervised learning
- Linear regression
- Clustering
- Machine learning
- Deep learning
- DAO
- Automated market management
- Blockchain consensus mechanisms
- Liquidity pooling with Core Chain
- Introduction to Asset management using Coredaovip
- Staking and Yield farming
- Image and text classification using ML/DL
- Writing a basic smart contract (Solidity demo)

Activities:

- Python ML project
- Python DL project
- Python Blockchain project
- Python based security system
- Smart contract on a testnet using Remix IDE

Class 12 – Capstone & Innovation

Theme: *"Creating the Future"*

Topics:

- AI ethics, bias, and responsibility
- Role of blockchain in Real life applications
- Federated learning, deep learning overview
- Blockchain scalability and decentralization
- Integration: AI + Blockchain Use Cases
- Decentralized finance and Entrepreneurship
- Role of AI and Blockchain in Resource optimization
- Docker
- Using AI to develop multimedia contents
- Prompt Engineering
- Using AI to develop AI application
- Using AI for SEO
- Automated market managment
- Decentralized liquidity pooling with Coredaovip
- Digital marketing, Dignified branding, Affiliate marketing
- Advanced Image classification
    - RESNET
    - DENSENET
    - INCEPTION
- Advanced text classification
    - LSTM
    - BERT
    - ROBERTA
- Creation and deployment of Smart contract
    - NFT
    - Token

Capstone Project:

- Development of AI module
- Development of ML/DL project
- SEO using AI
- Smart contract liquidity pooling, locking, swaping
- NFT Creating, Circulation, Dignified Branding
- Working with Asset Management System

□ Extra: Labs & Tools per Class

Class	Tools/Platforms
6–7	ChatGpt
8	Python, ChatGpt, Gemini, Colab
9–10	Google Colab, Blockchain Simulators,DEX
11–12	Jupyter, Scikit-learn, Solidity, Remix IDE, GitHub,DEX

International Trainer Curriculum: B.Sc. & M.Sc. in AI and Blockchain (Powered by CoreDaoVip Ecosystem)

◆ B.Sc. in Artificial Intelligence and Blockchain (3 Years)

Year 1: Foundations and Orientation to the Ecosystem

Semester 1: Core Technologies & Cultural Foundations

- Introduction to Artificial Intelligence
- Basics of Blockchain: Terminologies, History, Use Cases
- **Understanding CoreDaoVip Ecosystem**
- **History & Culture of NFTs**
- Introduction to Programming (Python)
- Web Programming (HTML, CSS, JS)

Activities:

- Create an account and simulate asset management on https://coredao.vip/asset.html
- Analyze NFT culture with **9nftmania's** ecosystem
- Basic branding exercises using **Dignified Branding**

Semester 2: Practical AI & Blockchain Interaction

- Data Structures & Algorithms
- Introduction to Machine Learning (SVM, Naïve Bayes)
- Introduction to Smart Contracts
- **Tokenomics with CoreDaoVip**
- DEFI vs CEFI using **BlackDoge blockchain**
- Ethics of AI & Blockchain

Activities:

- Simulate Token Minting via BlackDoge and CoreDaoVip
- Blockchain wallet creation and secure transaction practice
- NFT Minting with branding exercise (CoreDaoVip + 9nftmania)

Year 2: System Design and Decentralized Frameworks

Semester 3: System Engineering and ML/DL

- Deep Learning (CNN, LSTM, Autoencoders)
- **Exploring CoreDAO, 9nftmania, BlackDoge Projects in Depth**
- Smart Contract Development (Solidity)
- DAO Principles and Dignified Governance
- Federated Learning and Privacy

Activities:

- Develop and deploy test smart contract
- Run a mock DAO using BlackDoge platform
- Multimedia content development using AI (text-to-video, text-to-image)

Semester 4: Application Development

- DApp Development and Deployment
- Building AI Models for NFTs – Classification, Generation
- Introduction to Liquidity Pooling & Asset Locking (DEX/CEX)

- Building Ethical AI Apps
- NFT Use Cases in Education, Healthcare, Finance

Activities:

- Integrate NFT branding with smart contract functionality
- Develop a mini-product using CoreDaoVip APIs
- Case study on **Dignified Branding via NFT Culture**

Year 3: Innovation, Research, and Deployment

Semester 5: Capstone Preparation and Research

- Blockchain Interoperability and Cross-Chain Solutions
- Advanced NLP (BERT, GPT, RoBERTa)
- SEO with AI
- Affiliate and Dignified Marketing for NFT Projects
- CoreDaoVip Asset Management Systems

Activities:

- Develop affiliate NFT marketing platform
- Contribute to the CoreDaoVip knowledge base
- Research whitepaper presentation on 9nftmania culture

Semester 6: Capstone + Startup Launch

- Capstone Project: Combine AI + Blockchain + Branding
- Working Prototype Launch
- Internship with CoreDaoVip or Ecosystem Project
- Final Viva and Showcase

◈ M.Sc. in AI and Blockchain (2 Years)

Year 1: Advanced Exploration & Product Design

Semester 1: Theoretical Deep-Dive

- Blockchain Scalability (ZKP, DAG, Layer 2)
- Secure Federated Learning
- AI for Ethical Decision Making
- NFT Culture Evolution and Impact
- 9nftmania as a Global NFT Brand

Activities:

- Contribute to NFT culture repository (papers, blogs)
- Study and simulate NFT marketplaces (Opensea: 9nftmania)
- Write and audit smart contracts for DEFI platforms

Semester 2: Productization & Research Development

- CoreDao Tokenomics: Advanced Use Cases
- DEX architecture (Uniswap, Icecreamswap, Pancakeswap)
- Dignified Identity & Digital Reputation
- Research Methodology in Emerging Technologies
- AI-enabled Asset Management Systems

Activities:

- Launch a simulated DEX using CoreDao standards
- Build NFT project with AI-based classification + Dignified Branding
- Prepare research paper on Smart Governance using DAOs

Year 2: Research, Publication, and Launch

Semester 3: Innovation Labs

- Metaverse Integration with AI & NFTs
- DAO-based Education Governance
- Building Decentralized Research Networks
- AI for Market Intelligence in NFT Culture
- NFT Analytics & Sentiment Detection

Semester 4: Thesis & Commercialization

- **Thesis on AI-Blockchain-NFT Intersections**
- Publication / Patent Filing
- Live Demo + Investor Pitch for Capstone Startup
- Community-led NFT drops via 9nftmania

🛠 Dedicated Labs

- Remix IDE (Smart Contract Writing)
- Google Colab / Jupyter (AI Model Dev)
- CoreDao DEX / Wallet Simulators
- Opensea
- Dignified Branding Platform (coredao.vip)