**Getting Developers Ready for the API Economy**

**Objective: -**

Develop API’s by integrating AI, IOT and Blockchain and run these API’s on cloud infrastructure.

We are going to use AWS as main cloud provider, for AI we are going to use TensorFlow, typescript will be used as main programing language, Python for AI and Rust for IOT.

**The API Economy: -**

* What is an API?
  + API’s consumer are developers
  + Rest API
  + GraphQL API
* What is Digital Transformation?
* API the key to digital transformation.
  + API first
* API’s role in digital transformation.
* API adoption is exploding.
* API maturity
* API as a product
* Why all the interest in the APIs
* What is the API economy?
* API value chain
* The exchange of value in what makes an API economy
* Benefits of API economy
* The effects of API economy on business
* The importance of API economy
* Platform
* How do customers benefit from a third-party API vs building internally?
* API-First Approach
* The Rise of the API-First Companies
* The API Economy Challenges
* Where is the link between APIs and Artificial Intelligence?
* How APIs can bring AI to life
* AI and ML Used for API Management
* APIs the Bedrock of IoT Development
* Connecting the Layers of IoT using APIs
* How important is the API economy for blockchain application development?
* Band Oracles: Connect smart contracts with any API
* Serverless APIs
* Standards for API Definition
* What's in it for us
* Serverless API
  + D3 Consideration
  + Examples Implementation
  + Working Assignment