



OPPORTUNITY TO SUMMER INTERN UNDER IEEE CIRCUIT PROFESSOR

STUDENT BRANCH

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IEEE TECH SPONSERED WORKSHOPS ON



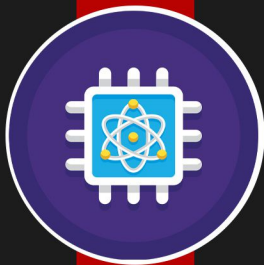
WEB DEVELOPMENT BOOTCAMP



BLOCKCHAIN WORKSHOP



IOT WORKSHOP



QUANTUM COMPUTING USING PYTHON



CONTACT

RAJARSHEE BASU (8917276615)

Perks Of Attending the Workshop

1. IEEE Certification on the particular Course
2. Summer Internship opportunity under IEEE circuit professors in the particular domain. (Both Paid and UnPaid)
3. Prizes worth Rupees 5000

IIIT BHUBANESWAR

1-2 FEB

9.00AM- 6.00PM

HANDS ON WITH QUANTUM COMPUTING USING PYTHON

DR. MINATI RATH

PDH in Quantum Machine Learning
Ex Professor BITS Pilani
Ex Wipro Tech Head

Course Covered

1. A primer on quantum physics.
2. A introduction to Quantum computing.
3. Algorithms in depth - Deutsch's problem etc
4. Quantum programming **Hands On**
5. Quantum assembly programming **Hands On**
QCL | Q# | Cirq
6. The Quantum paradigm
7. How to make your own time machine
8. Writing code for the D wave **Hands On**
9. A primer on Quantum Machine Learning
10. Regression, Classification, Neural Networks
11. Hopfield Networks
12. Quantum Cryptography
13. Interesting problems
14. Consciousness as Quantum problem

WEB DEVELOPMENT BOOTCAMP

(FRONTEND AND BACKEND)

MR. K KRISHNA

Microsoft 4 times MVP
Certified Javascript Trainer
by University of Berkeleys

Course Covered

1. Introduction to Web Development
2. Introduction to HTML, CSS
3. Diving deep into JavaScript
4. Bootstrap Framework
5. Static vs Dynamic Web Application
6. HandsOn- Developing a Static Web Page
7. Introduction to Backend
8. Command Line Basics
9. Introduction to NodeJS
10. Introduction to NPM
11. Introduction to ExpressJS
12. What is API?
13. HandsOn Using a third-party API and developing a Web Application
14. What is a Database?
15. SQL vs NoSQL
16. MongoDB and Mongoose
17. .Restfull Routing
18. . Developing a Dynamic Web Application using NodeJS and MongoDB

IOT WORKSHOP

DR. SURAJ SHARMA

M.Tech Phd NIT Rourkela
Active Community member IEEE

Course Covered

1. Introduction to IoT: Application, Challenges, Architecture, Protocol Stack, Sensors and Actuators
2. Introduction to embedded Systems.
3. Introduction to Arduino microcontroller.
4. ARDUINO Architecture & Setup.
5. Hands on: ARDUINO Board and ARDUINO API structure.
6. Hands on: Simple LED blinking program.
8. Interface proximity sensor with Arduino.
9. Interface of temperature sensor.
10. Hands on : Controlling LED with LDR.
11. Hands on : Display of real-time sensor data.
12. Hands on : Communication between two Arduino board with RF.
13. Hands on : Rain detection system.
14. Hands on : with ultrasonic sensors.

BLOCKCHAIN WORKSHOP

**MR. PRANAV
MAHESHWARI**

Founder TechBootCamps
Lead Blockchain Developer - TowardsBlockchain
Teach Lead - Orissa Govt. Land Record Project
KeyNote Speaker TechBhubaneswar
KeyNote Speaker TechMinds

Course Covered

1. What is Blockchain?
2. Insights into Blockchain Technology
3. Introduction to Digital Currency -Including Libra
4. Benefits of Blockchain
5. Various Applications of Blockchain
6. What is Ethereum Blockchain Smart Contracts?
7. Setting Up the Environment for Development?
8. Hands-on with Ethereum Platform and getting used to the actual network?
9. Diving Deep Into Solidity Programing Language
10. End To End Development Of DAPP using Solidity - 1