KRUTANIC

A LADDER FOR BRIGHTER FUTURE

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KRUTANIC
A LADDER FOR BRIGHTER FUTURE

MENTORSHIP PROGRAM ADVANCED PROGRAM ALUMNI MASTERCLASS TALENT H

| Best Learning Platform

Transform Your Passion into
A Successful Career In T|

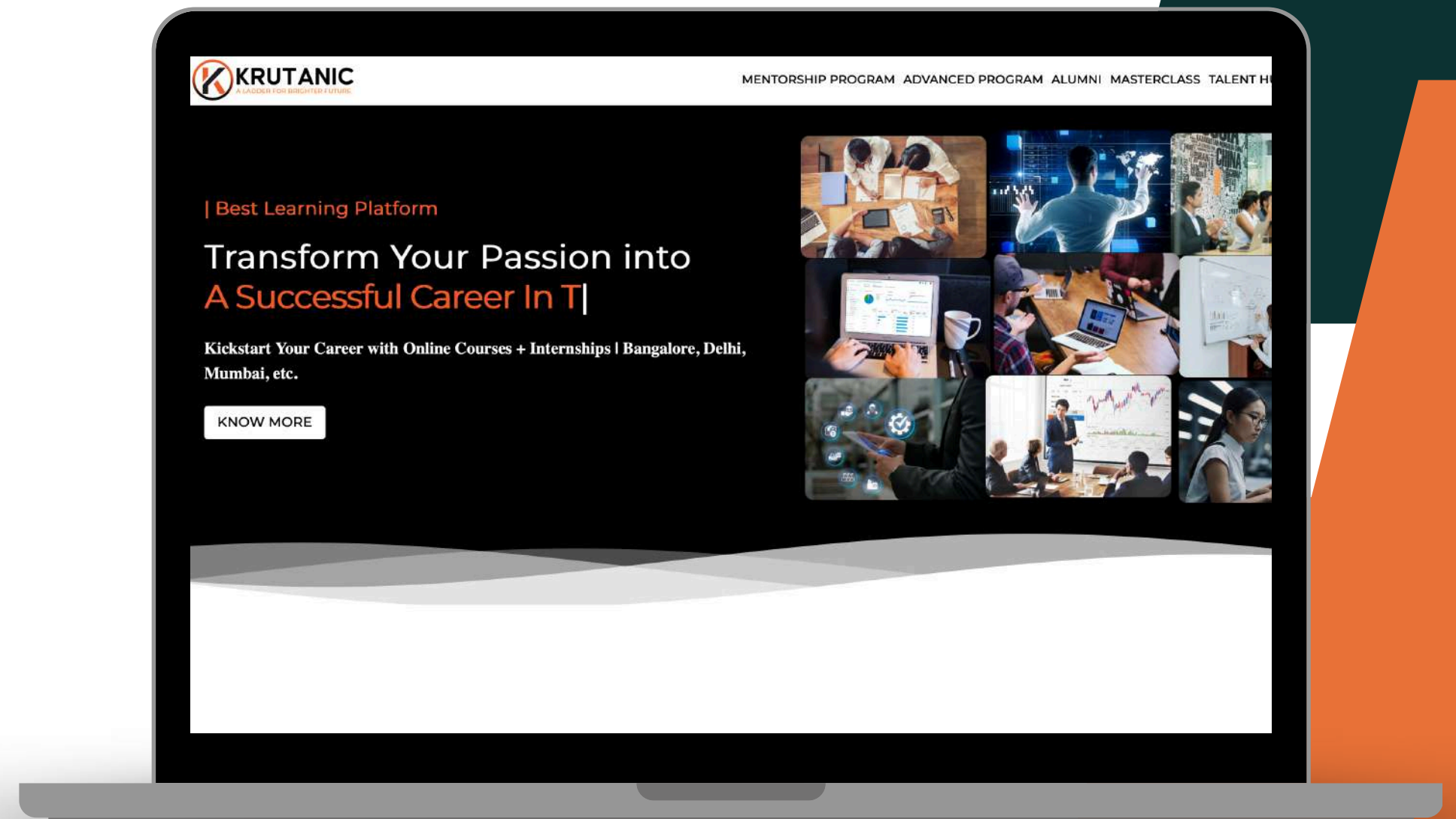Kickstart Your Career with Online Courses + Internships | Bangalore, Delhi, Mumbai, etc.

KNOW MORE

KRUTANIC
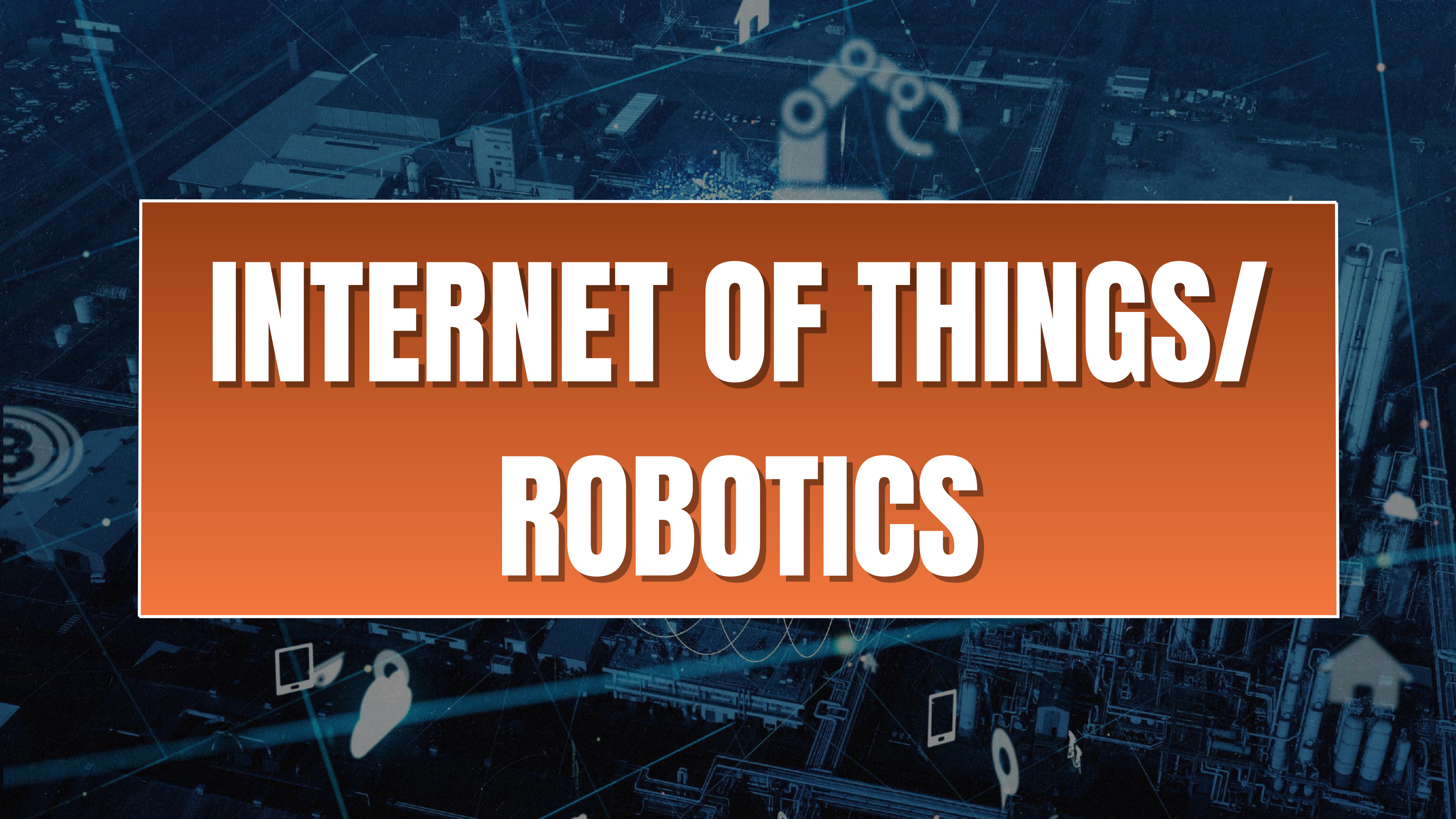## A LADDER FOR BRIGHTER FUTURE

We are now an **accredited partner** under

accenture

Adobe

TRAINING AND INTERNSHIP PROGRAM

KRUTANIC
A LADDER FOR BRIGHTER FUTURE

About Us

"Krutanic is at the forefront of transforming education through cutting-edge technology. Our comprehensive platform empowers learners with personalized learning experiences, collaborative tools, and real-time analytics. With adaptive assessments and interactive content creation, we enhance student engagement and achievement. Join us in revolutionizing education for the digital age, driving positive outcomes and preparing learners for success in tomorrow's world. "

INTERNET OF THINGS/ ROBOTICS

Why Internet of Things/ Robotics ?

- Connects the physical and digital worlds to create smart, automated systems.

- Powers innovation in industries like healthcare, agriculture, manufacturing, and smart homes.

- High demand for IoT and robotics professionals in automation and Industry 4.0.

- Encourages hands-on learning with real hardware, sensors, and controllers.

- Enables real-time data collection, monitoring, and intelligent decision-making.

- Offers multidisciplinary career paths in electronics, coding, AI, and cloud integration.

1st MONTH

LIVE SESSIONS

Live sessions with industrial experts having experience above 10 years in the industry.

RECORDINGS

Recordings of all live sessions available with 1 year access in our LMS portal.

INDUSTRY RELATED

Industry related curriculum designed by the working professionals in the top hierarchy.

2nd MONTH

REAL TIME PROJECTS

Two real time industrial projects One minor project and One major project.

ASSISTANCE

All mentors will be assigned as project leads and guide the intern till the completion of the project.

PERSONAL DEVELOPMENT

Additional projects for personal development can be required.

Modules Overview

- **Introduction to IoT and Robotics**

- **Electronics & Microcontrollers**

- **Programming with Arduino IDE**

- **Working with Raspberry Pi**

- **Sensor Integration and Data Collection**

- **Communication Protocols (IoT)**

Modules Overview

- **Cloud Platforms for IoT**

- **Actuator Control and Robotics Movement**

- **IoT Security Fundamentals**

- **AI/ML Integration with IoT Devices**

- **Real-time Data and Automation Projects**

- **Capstone Project & Interview Preparation(only for placement assistance program mock interview preparation)**

Curriculum included

MODULE 01
Introduction to IoT and Robotics

- Basics of IoT architecture and communication
- Overview of robotics and automation
- Real-world applications in smart homes, industry, healthcare

MODULE 02
Electronics & Microcontrollers

- Introduction to sensors, actuators, and circuits
- Basics of Arduino and Raspberry Pi
- Breadboard prototyping and interfacing

MODULE 03
Programming with Arduino IDE

- C/C++ basics for embedded programming
- Controlling sensors and motors
- Interrupts, loops, and condition handling

MODULE 04
Working with Raspberry Pi

- Setting up Raspbian OS
- Python scripting for GPIO operations
- Using camera modules and interfacing peripherals

Curriculum included

MODULE 05

Sensor Integration and Data Collection

- Analog vs digital sensors
- Temperature, motion, and humidity sensors
- Data logging and real-time monitoring

MODULE 06

Communication Protocols (IoT)

- UART, SPI, and I2C communication
- Wireless protocols: Wi-Fi, Bluetooth, Zigbee
- Introduction to MQTT and HTTP

MODULE 07

Cloud Platforms for IoT

- Using platforms like ThingSpeak, Blynk, or AWS IoT
- Sending and receiving data from cloud
- Visualization dashboards and alerts

MODULE 08

Actuator Control and Robotics Movement

- Servo, DC, and stepper motor control
- Line following and obstacle avoidance robots
- Basic robotic arm design and coding

Curriculum included

MODULE 09
IoT Security Fundamentals

- Common vulnerabilities in IoT devices
- Secure communication and data encryption
- Authentication and network protection

MODULE 10
AI/ML Integration with IoT Devices

- Basics of machine learning for IoT
- Running ML models on edge devices
- Smart predictions and automation

MODULE 11
Real-time Data and Automation Projects

- Build IoT-based home automation systems
- Smart energy meter or environmental monitoring
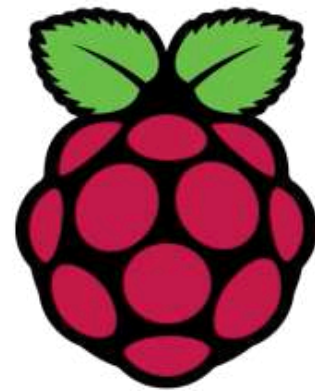- Autonomous robot design

MODULE 12
Capstone Project & Interview Preparation

- End-to-end IoT or robotics project
- Resume and portfolio preparation
- Mock interviews and certification readiness

Tools Included

Arduino IDE

Raspberry Pi (Raspbian OS)

Node-RED

MQTT Protocol /
Broker (e.g., Mosquitto)

Students Reviews

Google

Ramshad K
★★★★★
I have gained a really hands on Experiance with on graphic design which was delivered by Akash sir was very supportive and endless worthy experience so far.

Rajendra Prasad
★★★★★
I'm Rajendran Prasad, to be honest I'm expressing my words, I have researched and found the correct certificate on Linkedin and scan that and found it 100% genuine and verified successfully.
It's my individual recommendation for everyone that Krutanic company is perfect with quality training and real world projects.
I have seen some bad reviews and many good reviews so got confused but now I realised that Krutanic solutions is the best company ever for training and internship provider, I have learned a lot of new industrial things.

Sahad K
★★★★★
I got placement at Wipro through krutanic support team. I am really grateful that I got to learn from AI Mentor Ashish sir and support from my counsellor was really helpful. All thanks to Bhoomika mam my operations support member from krutanic.

Sunil Kumar
★★★★☆
I'm Sunil Kumar, I have enrolled for Data Science program at Krutanic solutions and my experience is outstanding.
It's my individual recommendation for everyone that Krutanic company is perfect with quality training and real world projects.

Shubham Rai
★★★★★
Krutanic Group is truly doing a remarkable job by creating learning spaces that are not only informative but also inspiring. Ive had the opportunity to attend two of their courses-Photography and Graphic Designing-and both were simply

Aman Nema
★★★★★
Krutanic's Full Stack Web Development program was a fantastic learning experience. The course covered essential technologies like HTML, CSS, JavaScript, React, and backend development, providing a strong foundation for building real-world web applications.
The hands-on projects and expert guidance from mentors made learning interactive and practical. This program is perfect for beginners and aspiring developers looking to enhance their skills in web development. Highly recommended.

Students Reviews

Tejas Kolekar

I am thrilled to share my enriching experience from the Artificial Intelligence and Machine Learning Internship I recently completed with Krutanic, in collaboration with Wipro, a leading multinational corporation. This 3-month program was an incredible opportunity to deepen my knowledge, enhance my skills, and grow both personally and professionally in the dynamic field of AI and ML.

Pranali Shinde

Excited to share that I've just completed a Data Science course from Krutanic! 🎉 It was an amazing journey diving into data visualization, exploratory data analysis, SQL, and machine learning. I've gained some valuable skills that I can't wait to apply in real-world projects. Big thanks to the instructors and everyone who made this experience so enriching! Looking forward to what's next!
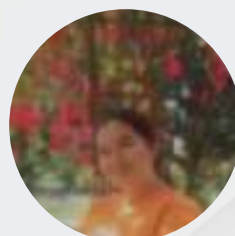
Prabhleen Kaur

Just after few months of completion of my AI course I got my hands on attending Master class on Building AI agent without coding held in the month of March my experience was very good
I get to know about new things from my mentor Mr.Aashish Mishra
And at the end i recieved this ☺️
All thanks to Krutanic for giving me this opportunity.....

Rishabh Nagar

Certificate of Training Completion from Krutanic Solutions in the field of Android App Development Krutanic Paidi Venkata Chakravarthi Sir #krutanic #android #app #development #androidstudio

Himendra Shukla

Completing my internship at **KrutaniC** has been a transformative journey, equipping me with hands-on experience in **Full Stack Web Development** and preparing me for a bright future in tech. Grateful for the guidance, real-world projects, and skills gained—here's to innovation and success ahead! *
#InternshipCompletion #FullStackDevelopment #KrutaniC #TechJourney
Krutanic
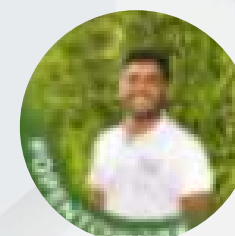
Touheed Ahmed Nadaf

Clouds conquered.
Excited to share my Cloud Computing internship certification from Krutanic!
Grateful for the hands-on learning and ready to turn this experience into an impact in the ever-evolving tech landscape.
#CloudComputing #Krutanic #InternshipWin #TechReady #NextGenTech
#FutureInCloud #LevelUp #DigitalSkills

Discover why this Internet of Things/ Robotics course is essential for your learning journey.

1 Google Ratings 4.8/5

2 Mentees Trained 15k+

3 Hiring Partners 200+

4 Job Openings 25000+

5 Average Salary 10+ LPA

6 Global Size USD 200 BILLION

Career Opportunities in Internet of Things/ Robotics

IoT Developer

Design and develop IoT-based applications and solutions integrating sensors, microcontrollers, and cloud platforms.

Robotics Engineer

Build and program robots for automation, manufacturing, healthcare, and service industries.

Embedded Systems Engineer

Develop firmware and software for embedded devices used in smart systems and robotics.

Career Opportunities in Internet of Things/ Robotics

IoT Solutions Architect

Plan and design end-to-end IoT systems, including hardware, software, network, and data flow.

Automation & Control Engineer

Implement robotics and IoT to automate industrial processes and ensure system efficiency.

AI & ML Engineer for Smart Devices

Develop intelligent robotic and IoT systems using machine learning and real-time data analytics.

Certifications

01

Training Completion Certificate of Validates the skills which acquired

02

Internship Completion certificate certified by Accenture/Adobe

03

Letter of recommendation(LOR) for your JOB/PLACEMENT

04

Certificate of exellence (Based on you Performance)

Companies where our alumni thrive

Our process
Quick Guide

Register With Us

Schedule Your Class

Certifications

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Come join us now and contact us now
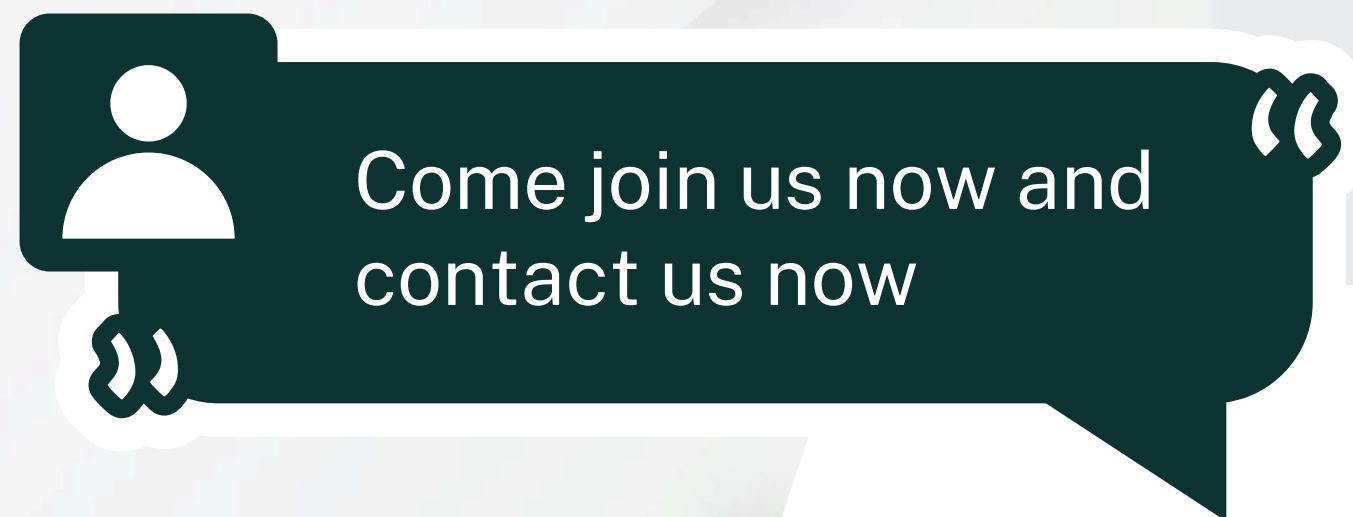
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