



# CAREER ACCELX PROGRAMS

## JAVA ESSENTIALS

*Master Program*

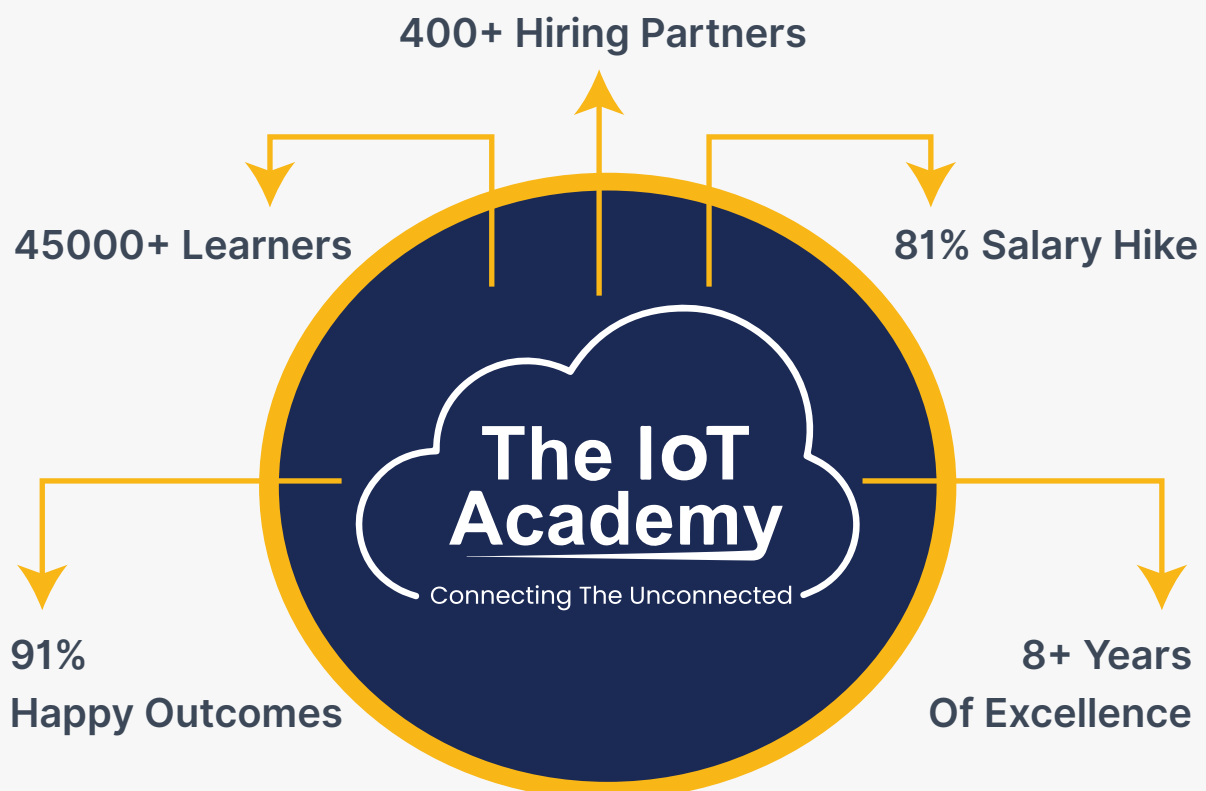
6 Weeks

# About The IoT Academy

The IoT Academy, established in 2017 is a fast emerging company imparting quality programs for skills training, internship and guidance in cutting edge technologies like **Data Science, Machine Learning, Artificial Intelligence, Internet of Things, Embedded Systems & many more** and focused on helping people develop the skills they need to thrive in the rapidly growing digital economy.

The IoT Academy has collaborated with various premier institutes e.g. **EICT Academy, IIT-Guwahati, IIT-Roorkee and IIT-Kanpur** for **Advance Certification courses** to take provide outcome-centric solutions to help them achieve their professional goals.

“Empowering learners to discover, innovate, and create brighter futures through transformative education.”



# Why Choose Our Short-Term Courses?

## Industry-Relevant Curriculum

Get hands-on with tools, techniques, and frameworks used by professionals in the industry.

## Project-Based Learning

Apply what you learn through real-world projects and case studies.

## Flexible Learning

Access recorded sessions, live classes, and doubt-clearing sessions as per your schedule.

## Certificate of Completion

Earn a recognized certificate that adds credibility to your resume or LinkedIn profile.

## Internship Opportunity

Top performers will get one month internship with us.

## Career Services

Gain access to resume building sessions & mock interview preparations.

## Our Academic Partners



E&ICT Academy  
IIT Guwahati



E&ICT Academy  
IIT Roorkee



E&ICT Academy  
IIT Kanpur



IIT Jodhpur



E&ICT Academy  
NIT Patna



RFRF  
Foundation



ASTU  
Guwahati



IIT Bhilai



Himachal Pradesh  
University



ABES  
Engineering  
College

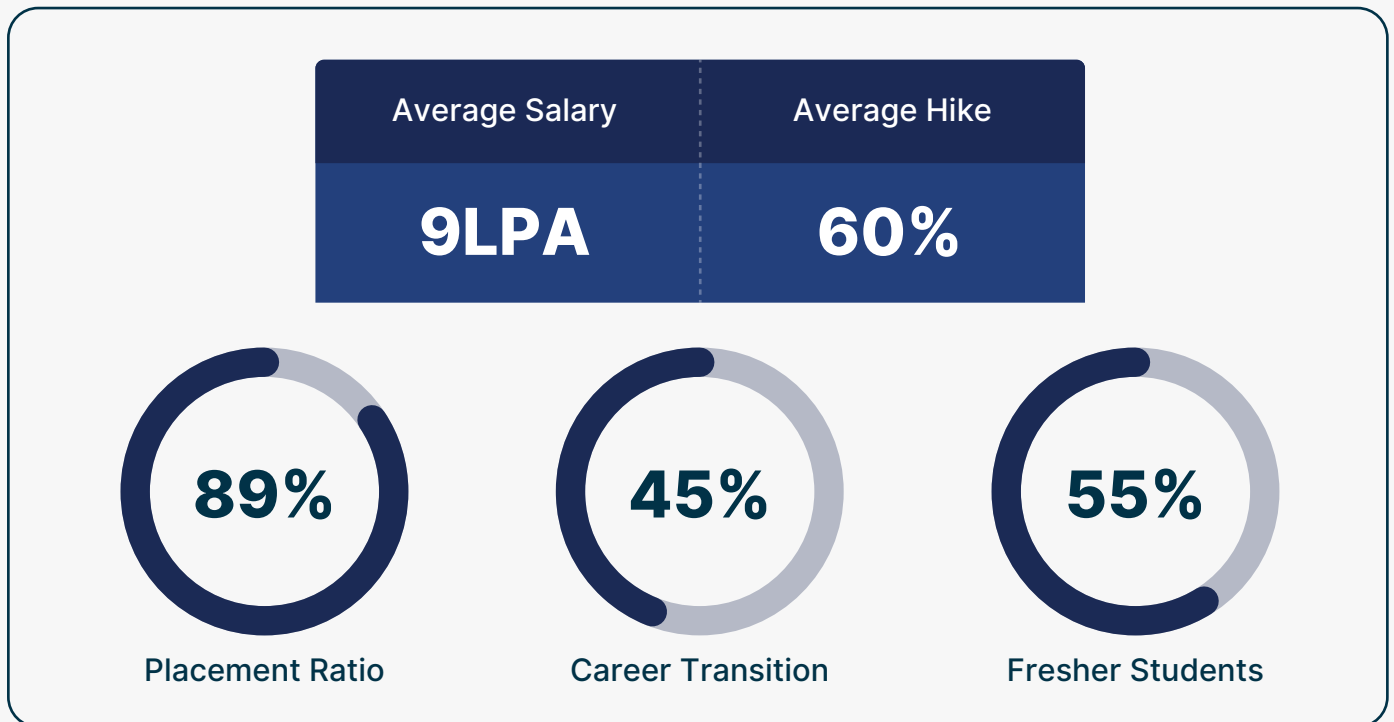


MSIT  
College



IPEC  
College

# Placement Statistics



## Corporates Who Hired form Us



**400+** Partner Companies

# Track The Curriculum

## Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

### Introduction to Java and Development Tools

- Overview of Java and its ecosystem
- Setting up the Java Development Kit (JDK) and Integrated Development Environment (IDE)
- Basic syntax, data types, and variables
- Writing and running your first Java program

Week 1

## Week 2

Week 3

Week 4

Week 5

Week 6

### Control Flow and Functions

- Control structures: if-else, switch-case, and loops (for, while, do-while)
- Understanding methods: defining, calling, and method overloading
- Scope and lifetime of variables
- Practical exercises on control flow and functions

Week 1

Week 2

## Week 3

Week 4

Week 5

Week 6

### Object-Oriented Programming Concepts

- Introduction to OOP: principles and benefits
- Creating classes and objects
- Understanding encapsulation, inheritance, and polymorphism
- Practical exercises on building and using classes



# Track The Curriculum

Week 1 Week 2 Week 3 **Week 4** Week 5 Week 6

## Advanced Java Features

- Introduction to Java Collections Framework: Lists, Sets, and Maps
- Working with generics in collections
- Exception handling: try-catch, finally, and custom exceptions
- Practical exercises on collections and error handling

Week 1 Week 2 Week 3 Week 4 **Week 5** Week 6

## Working with Files and Databases

- File I/O: reading from and writing to text and binary files
- Understanding packages and modular programming
- Introduction to JDBC: connecting to databases and executing SQL queries
- Practical exercises on file handling and database interactions

Week 1 Week 2 Week 3 Week 4 **Week 5** Week 6

## Building and Deploying a Java Application

- Introduction to Java GUI development with JavaFX
- Building a simple Java application (e.g., task manager or note-taking app)

# What Our Learners Say About Us

## Abhinav



An exceptional hands-on experience! The Applied Data Science course by The IoT Academy in collaboration with IITG provided me with good project exposure that truly prepared me for the industry. With expert guidance and a collaborative community.

## Raghvendra Tiwari



The digital marketing course really impressed me! It taught me about search engine optimization (SEO), social media strategies, and how to analyze data giving me the tools I need to help any brand succeed online. This course is perfect for marketers at any level!

## Deep Acharjee



I completed a 45-day industrial internship with IoT Academy in an online format. The entire team at the academy was exceptional. Additionally, the sales team provided all the necessary information and support to ensure the smooth operation of my internship throughout its duration. Sir Devesh, an outstanding faculty member, offered in-depth technical insights into embedded systems and IoT, addressing all of my queries. I am deeply grateful to the entire IoT Academy team for their assistance and guidance.

## Ajitesh Rana



I recently had the pleasure of enrolling in IoT and Python courses at The IoT Academy, and I am genuinely impressed with the quality and depth of the content offered. From start to finish, the experience was nothing short of exceptional. The IoT Academy's IoT and Python courses exceeded my expectations on all fronts. If you're looking to gain a solid understanding of IoT concepts and harness the power of Python in IoT applications, I wholeheartedly recommend enrolling in their courses.

## Vitoka H Sema



It's a very informative and practical place to learn. The I highly recommend others looking for a course in IoT and Embedded system and even other courses the faculties are very friendly and fun loving and their way of teaching is very practical. I learned a lot of new things.

## Ankit Kumar



A wonderful learning experience with the IoT Academy, everything is good from curriculum to trainers so supportive.

# What Our Learners Say About Us

## Sana Tasneem



The IoT Academy provided a wonderful learning platform and experience for the students, taught by an amazing faculty. Every topic was covered thoroughly and made easy for students to understand.

## RAVI KASAUDHAN



It's the best platform of learning The IoT Academy, You can easily learn online Internet of things .... Follow their official site & also you can follow on Instagram and LinkedIn

## Mayank Bhandari



I think the experience with IoT Academy was amazing. I was provided with current problem of COVID-19 and was asked to visualize and predict the scenario, which I really loved to work upon, and meantime learned a lot during doing that. I even got certificate after successful completion of work. So at the end, I will just say I enjoyed it.

## Anmol Pruthi



I was not sure about doing the Java course but when I joined the IoT Academy, I saw a great change in myself. I was getting more eager to learn everything from the trainer. The best atmosphere I have seen of learning is at The IoT Academy. If you want to get best out of you Join the IoT Academy.

## Goldie Behl



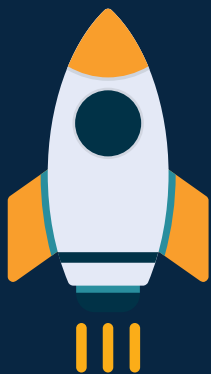
I had a great time doing this course and everyone involved in The IoT Academy has made it a great experience. I have been recommending you to everyone I know. Thank you for all the assistance and feedback, it has been delightful and very gratifying.

## Harshita Mahanta



The training was really awesome, it helped me to gain new knowledge not only about IoT but also about the importance of programming. The experts, guides, mentors all were very supportive and provided much valuable advice. The contents that were provided included all the necessary things and really helped me to learn something new.





**The IoT Academy**  
*is the hub for certifications across diverse career  
growth oriented programs*

**“You Dream It,  
We Make It Happen”**



093540 68856



info@theiotacademy.co



www.theiotacademy.co

**HEAD OFFICE** C-56/11, Ground Floor, Sector-62 Noida, Uttar Pradesh

**TRAINING CENTRE** C- 56/12, 3<sup>rd</sup> Floor, Sector 62 Noida, Uttar Pradesh