



CAREER **ACCELX PROGRAMS**

DATA ANALYSIS

FOR WORKING PROFESSIONALS

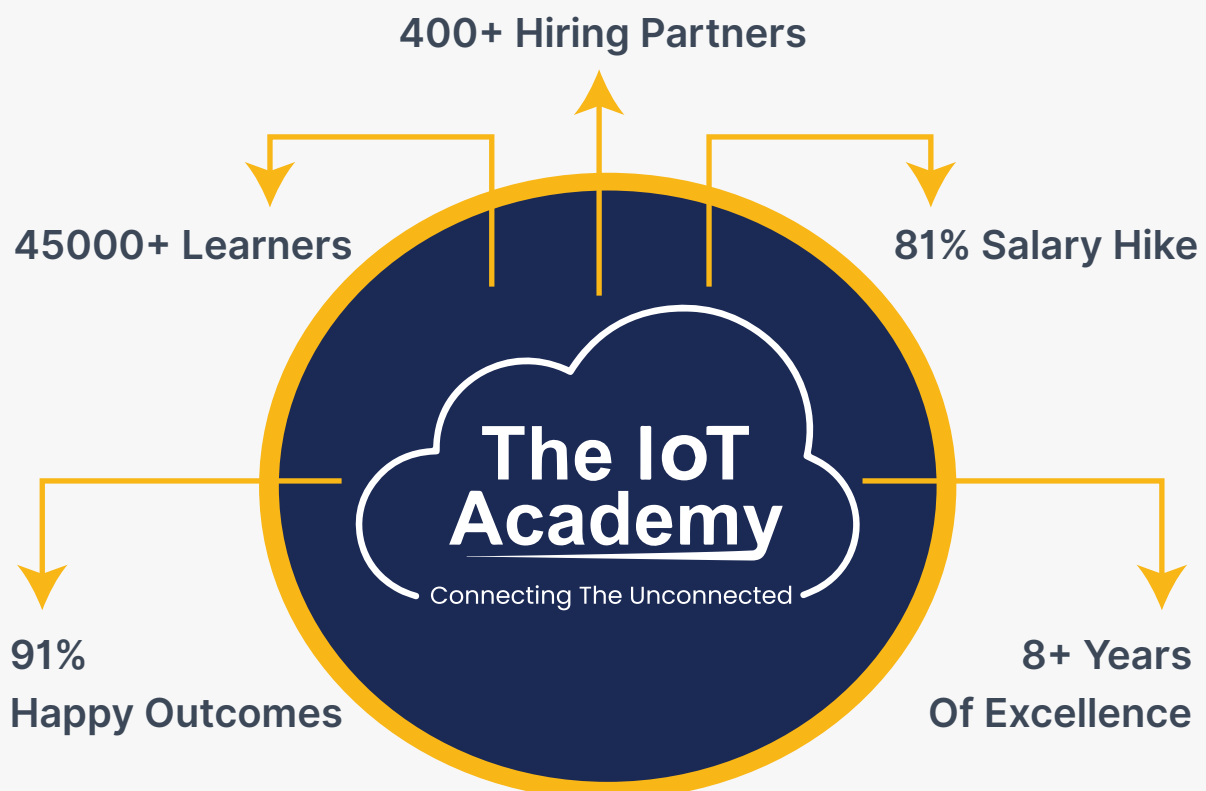
6 Weeks

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

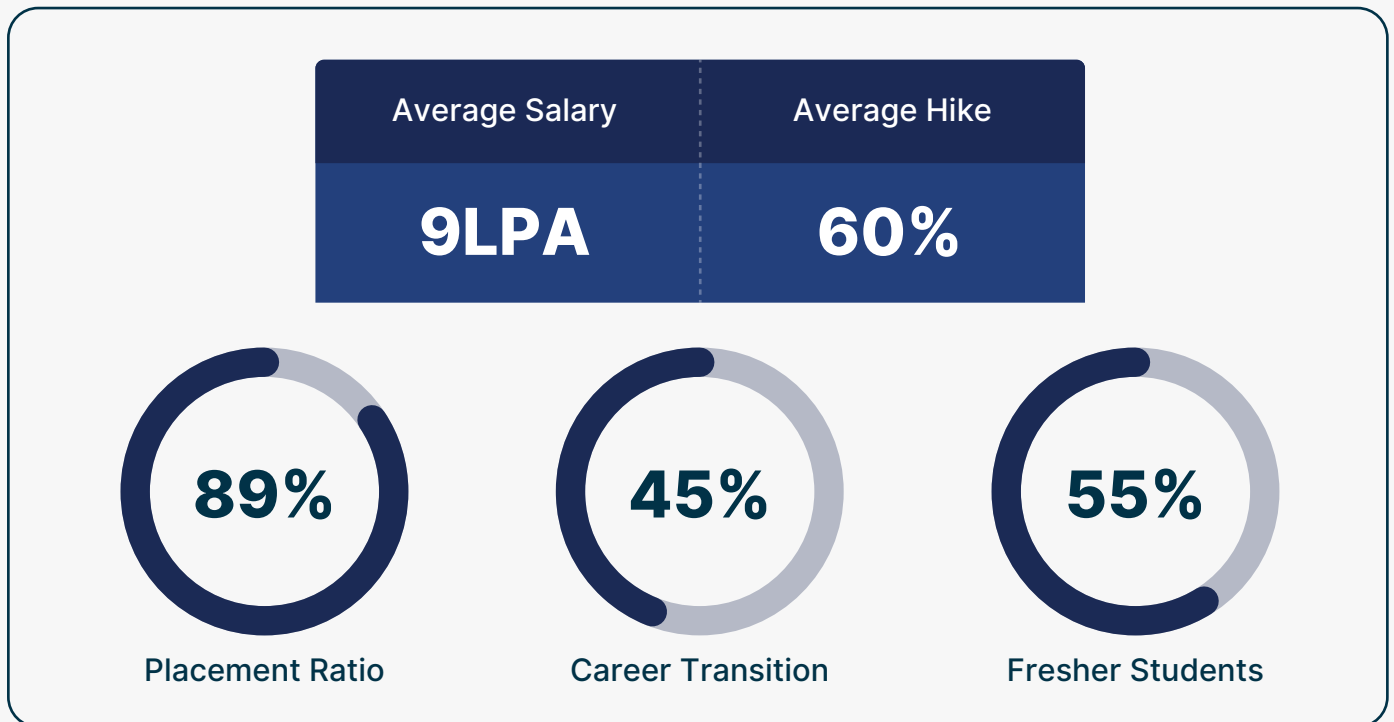


MSIT
College



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

- Foundations of Data Analytics
- What is data analytics and why it matters
- Types of data (structured vs unstructured, quantitative vs qualitative)
- The analytics process (data collection → cleaning → analysis → visualization → decision)
- Introduction to key business metrics (KPIs, ROI, churn rate, etc.)
- Hands-on: Exploring sample datasets in Excel/Sheets

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

- Data Cleaning & Preparation
- Identifying and handling missing values
- Removing duplicates, filtering data
- Formatting and standardizing columns
- Sorting and basic filtering in Excel/Sheets
- Hands-on: Clean a messy dataset

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

- Descriptive Analytics
- Measures of central tendency: mean, median, mode
- Measures of spread: variance, standard deviation
- Pivot tables and basic dashboards in Excel
- Creating summary tables and charts
- Hands-on: Analyze sales/marketing/HR data



Track The Curriculum

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

- Data Visualization & Storytelling
- Choosing the right chart for the right data
- Creating charts in Excel / Google Sheets
- Introduction to Canva and Looker Studio for visuals
- Using visuals to tell a story with data
- Hands-on: Build a basic visual report from data

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

- Introduction to BI Tools
- Overview of BI tools: Power BI, Tableau, Looker Studio
- Connecting data sources (Excel, Google Sheets)
- Creating interactive dashboards (filters, slicers, etc.)
- Sharing and publishing reports
- Hands-on: Build a dashboard in Looker Studio or Power BI

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

- Real-world Projects & Automation Tips
- Choose a real-world dataset (sales, HR, finance, etc.)
- Perform analysis, build visual reports
- Tips on automating reports using Sheets/BI tools
- Using ChatGPT to generate insights from summaries
- Final presentation of reports

Extras:

- Templates for reports and dashboards
- Weekly assignments and quizzes
- Final capstone project with peer feedback

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”**



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