



# ApproxZero

GST Number- 20GGRP7208D1ZI | UDYAM Reg No- JH-20-0110362

Email: info@approxzero.com | Contact: (+91) 9523097220

Approx Zero offers structured internship and training programmes for students pursuing Diploma, B.Tech, BCA, BBA, MCA, and M.Tech, with a focus on developing practical skills and industry-oriented competencies.

## INTERNSHIP / SUMMER TRAINING PROGRAMMES:

### Computer Science Engineering (CSE)

Sl. No	Name of Course	Duration	Duration
1.	Artificial Intelligence using Python	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
2.	Machine Learning using Python	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
3.	Data Analytics using Python	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
4.	Cyber security and Ethical Hacking	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
5.	Web Development (Full Stack)	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
6.	Java Programming	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
7.	Data Annotation & Curation	4-6 Weeks (Basics)	6-8 Weeks (Advanced)

### Electronics & Communication Engineering (ECE)

Sl. No.	Name of Course	Duration	Duration
8.	Internet of Things (IoT)	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
9.	Embedded Systems Design	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
10.	Arduino & Microcontroller Programming	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
11.	Wireless Communication Systems	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
12.	Digital Techniques using Verilog	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
13.	Automated Vehicle using IoT	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
14.	Robotics	4-6 Weeks (Basics)	6-8 Weeks (Advanced)

### Electrical Engineering (EE / EEE)

Sl. No.	Name of Course	Duration	Duration
15.	Power System Analysis using MATLAB	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
16.	Electrical Machine Design	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
17.	PLC & SCADA Systems	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
18.	Renewable Energy Systems (Solar/Wind)	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
19.	Electrical Estimation & Costing	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
20.	Electrical Winding for Household and Industry	4-6 Weeks (Basics)	6-8 Weeks (Advanced)



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## Mechanical Engineering (ME)

Sl. No.	Name of Course	Duration	Duration
21.	AutoCAD & SolidWorks Design	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
22.	CNC Programming & Machining	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
23.	Robotics and Automation	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
24.	Thermal Engineering Applications	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
25.	Industrial Production & Quality Control	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
26.	Mechatronics Systems	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
27.	AI in Predictive Maintenance	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
28.	AI for Smart Manufacturing	4-6 Weeks (Basics)	6-8 Weeks (Advanced)

## Civil Engineering

Sl. No.	Name of Course	Duration	Duration
29.	AutoCAD for Civil Engineering	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
30.	Structural Analysis & Design	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
31.	Surveying using Total Station	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
32.	Construction Project Management	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
33.	Environmental Engineering & Waste Management	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
34.	Estimation & Costing for Civil Engineering	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
35.	AI in Structural Health Monitoring	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
36.	AI for Smart Cities & Infrastructure Planning	4-6 Weeks (Basics)	6-8 Weeks (Advanced)

## Dress Technology / Textile Engineering

Sl. No.	Name of Course	Duration	Duration
37.	Fashion Designing Fundamentals	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
38.	Garment Construction Techniques	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
39.	Textile Testing & Quality Control	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
40.	Apparel Production Management	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
41.	CAD for Fashion Design	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
42.	Textile Dyeing & Finishing Technology	4-6 Weeks (Basics)	6-8 Weeks (Advanced)



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## Information Technology (IT)

Sl. No.	Name of Course	Duration	Duration
43.	Cloud Computing	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
44.	Database Management Systems (SQL)	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
45.	Python Programming	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
46.	Mobile App Development	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
47.	DevOps Fundamentals	4-6 Weeks (Basics)	6-8 Weeks (Advanced)
48.	Smart Irrigation using IoT	4-6 Weeks (Basics)	6-8 Weeks (Advanced)

These internship programs are designed to prepare students for industry requirements by effectively bridging the gap between academic learning and practical application.

• **8-Week Programme:** Includes six weeks of structured training followed by a two-week project.

• **6-Week Programme:** Includes four weeks of structured training followed by a two-week project. No additional fee is charged for the project component.

For application and further details, candidates may visit or contact the institute directly.

### Address:

ApproxZero  
2nd Floor, STPI Government Building, Behind JUT  
Ranchi, Jharkhand – 834001