



AKSHAYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Belgaum,
Recognized by Govt. of Karnataka,

Obalapura Post, Lingapura, Koratagere Road, Tumkur - 572 106, Karnataka



5-DAYS WORKSHOP ON LabVIEW, Industrial Internship & Placement Program FROM VI SOLUTIONS



For Seventh semester electronics and
communication engineering students

4th November 2024 to 8th November 2024

Post-Workshop Activities

- Task Assignment
- Evaluation and Interviews

Internship Program: 6 months @ VI Solutions, Bangalore

- Hands-On Projects
- Mentorship
- Skill Development
- Practical Exposure
- Industry Readiness

•• Workshop Resource Person ••

Ms. Chitra J

Technical Lead

Dr Sreenivas Rao

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Core LabVIEW Skills training for 2025 Batch ECE Students - 5 days' workshop and subsequent internship and placement program.

Date of Training: - 4-Nov-2024 to 08-Nov-2024

No. of Trainers: - 1

Focused Students: - Final Year ECE students of 2025 batch.

Time: - 09:30 AM to 04:00 PM

LabVIEW Workshop & Subsequent Internship & Placement

This workshop aims to provide students with a foundational understanding of LabVIEW, followed by a structured pathway to internships and potential employment with our company. This program will provide hands-on experience in Internet of Things (IoT), image processing, and machine learning, enhancing students' practical skills and preparing them for industry challenges.

About VI Solutions

VI Solutions is a total Virtual Instrumentation service provider offering cutting-edge solutions for the Industry and Academia. We have been catering for various clients in this segment. The company has implemented several Turn-key Systems and System Integration projects for various organizations of Ministry of Defense. Our system integration practice provides end-to-end management from requirements development to solution integration and on-going support. Our verticals comprise of almost the entire spectrum of Small and Medium Business Segment.

At VI Solutions, our resources are focused on innovation, quality, and superior value for our customers. We work closely with our customers to understand their requirements, which enable us to provide innovative solutions to meet their specific needs. Our technology programs bring industry and academia together. We would like to introduce ourselves as a leading Automation company willing to participate towards bridging the gap between academia and industry for improved productivity of quality engineers and meeting stringent quality standards.

Workshop Content:

1. Day 1: Introduction to LabVIEW
 - Overview of graphical programming
 - Basic functions and applications
2. Day 2: LabVIEW Environment
 - Navigating the interface
 - Essential tools and features
3. Day 3: Data Acquisition and Instrument Control
 - Using NI hardware with LabVIEW
 - Real-time data acquisition
4. Day 4: Advanced LabVIEW Techniques
 - Signal processing
 - Image processing basics
5. Day 5: Hands-on Projects and Q&A
 - Practical sessions with guidance from experts
 - Interactive Q&A to address student queries

Post-Workshop Activities

1. **Task Assignment:** After the workshop, students will be given tasks to complete over the next month. These tasks will test their understanding and application of LabVIEW in practical scenarios.
2. **Evaluation and Interviews:** Upon completion of the tasks, we will conduct a written test and interviews to evaluate the students' performance and understanding. Shortlisted students will be selected based on their test scores and interview performance.

Internship Details:

- **Hands-On Projects:** Students will work on real-world projects involving LabVIEW and NI hardware, focusing on IoT, image processing, and machine learning.
- **Mentorship:** Each intern will be assigned a mentor to guide them throughout the internship.
- **Skill Development:** Interns will enhance their technical and professional skills, preparing them for future roles.
- **Practical Exposure:** To provide students with real-world experience in LabVIEW and

Industrial hardware.

- Industry Readiness: To prepare students for careers in core industries by bridging the gap between theoretical knowledge and practical application.

LABVIEW PERCENTAGE ATTANDANCE										
NO OF STUDENTS ATTENDED 46	NO OF STUDENTS PRESENT ON 4TH NOV	38	NO OF STUDENTS PRESENT ON 5TH NOV	46	NO OF STUDENTS PRESENT ON 6TH NOV	40	NO OF STUDENTS PRESENT ON 7TH NOV	41	NO OF STUDENTS PRESENT ON 8TH NOV	39
	PERCENTAGE OF STUDENTS	82.60%	PERCENTAGE OF STUDENTS	100%	PERCENTAGE OF STUDENTS	86.90%	PERCENTAGE OF STUDENTS	89.10%	PERCENTAGE OF STUDENTS	84.7
Average percentage = 89%										