



Internship Training & Project



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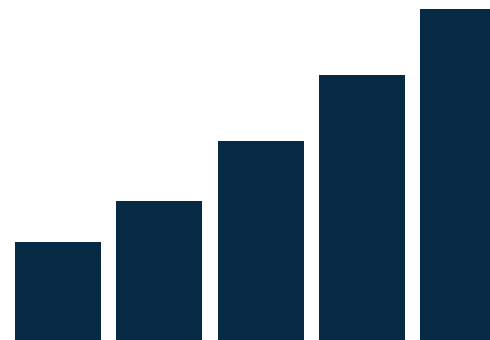
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About Company

Universe Testing Laboratory & Consultancy Services is a professional analytical testing laboratory providing reliable testing, analysis, and consultancy services in the fields of Food, Agriculture, Water, Wastewater, Soil, and Environmental Testing.

Our laboratory is equipped with modern analytical instruments and follows standard testing procedures as per IS, FSSAI, APHA, ISO, AOAC and NABL guidelines. We focus on accuracy, quality, and scientific excellence to support industries, institutions, and students.

Along with commercial testing services, we actively support students by offering internship training and academic project guidance, helping them gain real-time laboratory exposure and industry-relevant skills.





Vision And Mission

Vision

- To be a trusted and recognized testing laboratory that promotes quality, safety, and scientific knowledge, while shaping skilled professionals through practical laboratory training.

Mission

- To deliver accurate and reliable testing services
- To follow national and international quality standards
- To provide hands-on internship training for students
- To bridge the gap between academic learning and industry practice



Internship Training & Project Overview

- Our Student Internship Training & Project Program is designed to provide practical laboratory exposure along with academic project support for Undergraduate, Postgraduate students and Working professional.

The program focuses on:

- Real-time sample testing
- Instrument handling
- Standard testing methods
- Data interpretation & report writing

Internship Duration

- 07 Days
- 15 Days
- 1 Month
- 3 Months
- 6 Months (Final Year / Industrial Internship)

Duration can be selected based on college requirements and project needs.

| Training Domains



1. Food & Agricultural Testing

Students will learn:

- Moisture, Protein, Fat, Ash analysis (Nutritional Analysis)
- Adulteration testing
- Raw material & finished product testing
- Agricultural produce quality analysis

2. Water Testing

Students will learn:

- pH, TDS, EC
- Total Hardness, Chloride, Alkalinity
- Nitrate, Sulphate....
- Drinking water ,Construction water & Swimming pool Water

3.Wastewater Testing

Students will learn:

- pH, TDS, EC
- Calcium, Magnesium, Sodium...
- DO,COD,BOD,TOC.....
- Sewage & wastewater analysis.

4.Soil Testing

Students will learn:

- Soil pH, EC, Organic Carbon
- Nitrogen,Phosphorous ,Potassium
- Micronutrient analysis

Industry Exposure & Case Studies



As part of the Student Internship Training & Project Program, students receive valuable industry exposure by working with real laboratory samples from food industries, agricultural units, water treatment plants, and environmental monitoring projects.

Industry Exposure & Case Studies

Students are introduced to real-life laboratory situations through industry-based case studies, helping them understand:

- How samples are received, labeled, and recorded
- Selection of appropriate testing methods
- Quality control procedures and compliance requirements
- Interpretation of test results for industrial and regulatory use

These case studies help students understand the practical role of testing laboratories in ensuring quality, safety, and compliance.

Sample Test Reports

Students are trained to read, understand, and prepare professional laboratory test reports. Sample reports are used to explain:

- Standard report formats
- Test parameters and methods
- Result calculations and units
- Specification limits and remarks
- Compliance with IS / FSSAI / APHA /AOAC/ISO/ NABL guidelines

This builds confidence in laboratory documentation and reporting practices.

Industry Exposure & Case Studies



Real-Time Testing Experience

Internship training includes hands-on involvement in real-time testing activities under expert supervision. Students actively participate in:

- Sample preparation and analysis
- Instrument handling and observations
- Routine testing procedures
- Following SOPs and safety protocols

This real-time experience helps students:

- Apply classroom knowledge in practice
- Improve analytical and technical skills
- Understand laboratory workflow and discipline
- Become industry-ready for testing laboratory roles

Quality & Safety Practices



- Sample handling as per Standard Procedure
- Instrument calibration procedures
- Laboratory safety & housekeeping
- Testing as per IS / FSSAI / APHA/ AOAC/ISO standards
- Proper documentation & record keeping

Student Learning Outcomes

After completion of the internship, students will:

- Gain hands-on laboratory experience
- Understand industrial testing procedures
- Improve analytical and calculation skills
- Learn professional reporting methods
- Be industry-ready for laboratory roles



Certification & Evaluation



- Internship Training Certificate
- Project Completion Certificate
- Performance-based evaluation
- Guidance by experienced laboratory professionals

Project Guidance & Support

We support:

- Mini Projects & Major Projects
- Project topic selection
- Experimental methodology
- Result calculation & interpretation
- Final project report preparation
- Viva & presentation support



| Eligibility

- Undergraduate Students (B.Sc / B.voc / B.Tech)
- Postgraduate Students (M.Sc / M.Tech)
- Working Professional.

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