

# ENVITEST INSIGHTS: EMPOWER YOUR PRODUCT WITH PRECISION TESTING

ENVITEST LABORATORIES PRIVATE LIMITED

## Empowering Products with Precision Testing and Technology



At Envitest Lab, we specialize in providing precision testing services that empower your products to meet and exceed industry standards. Our state-of-the-art facilities and expert team are dedicated to delivering accurate, comprehensive testing solutions tailored to your specific needs.

At Envitest Lab, we believe that precision testing is not just about meeting standards; it's about empowering your products to reach their full potential. By choosing Envitest Lab, you are ensuring that your products are tested rigorously and accurately, giving you the peace of mind that they are of the highest quality.

Envitest Lab continually invests in the latest testing technologies and training. We understand that every product has unique requirements, and our customizable testing protocols are designed to address these specific needs. Our laboratory is equipped with cutting-edge technology, enabling us to perform a variety of tests, includ-

ing environmental simulation, vibration, shock, and temperature testing. This ensures that your products can withstand the harshest environments and remain functional and reliable.

Our advanced equipment and methodologies adhere to the highest industry standards, ensuring that every test we conduct is reliable and precise. Whether you are in the automotive, electronics, aerospace, or consumer goods industry, our services cater to diverse sectors, providing you with the confidence that your products will perform optimally in real-world conditions.

Trust Envitest Lab to let us help you bring superior products to market.

### Special points of interest:

- **Signed MOU with KCIRI:** Envitest Lab has entered into a partnership with the Kumaraguru Centre for Industrial Research and Innovation.
- **Performed Unique Altitude Immersion Test:** Envitest Lab successfully conducted a rare and specialized altitude immersion test, demonstrating ability to handle complex and unique testing requirements.
- **Completed 2-Day NABL Audit with Valuable Insights:** Envitest Lab underwent a thorough 2-day audit by the NABL, gaining valuable insights and reaffirming its commitment to maintaining high standards and continuous improvement.

## Ensuring Quality and Reliability Tailored Testing Solutions

At Envitest Lab, we empower your products by continually investing in the latest testing technologies and comprehensive training programs. This commitment ensures that we stay at the forefront of the industry, offering testing solutions that

meet the standards. Our equipment allows us to perform a wide range of precise and reliable tests tailored to your specific needs. Additionally, our team of highly skilled engineers and technicians undergoes continuous training to keep up with

the latest advancements in testing. This combination ensures that your products are tested for performance, durability, and safety. With Envitest Lab, one gain access to resources and insights, ensuring your products achieve superior quality.

### Inside this issue:

Driving Innovation: En-	2
The Rise of Electronic	2
Envitest Lab: Adapting to	2
Envitest Lab Partners	3
Creating a Supportive	3
A Catalyst for Coimba-	3
About Envitest Lab	4

## Driving Innovation: Envitest Lab's Role in Automotive Testing



Evaluating the performance of electronic components under extreme temperatures,

We had the opportunity to gain insights from an expert in the auto industry at a premier institution and exchanged views on the values and challenges in automotive product testing.

In recent years, the automotive industry has witnessed a significant transformation with the widespread integration of electronic systems into vehicles. From advanced driver-assistance systems

(ADAS) to in-car entertainment and connectivity features, electronic components play a vital role in vehicles. As the reliance on electronic systems grows, the demand for automotive testing has changed to accommodate them.

The integration of electronic systems in vehicles brings about unique challenges related to reliability, safety, and compatibility. Envitest Lab addresses

these challenges by offering a wide range of testing services specifically tailored to assess the performance and durability of electronic components. From environmental simulation to evaluate the performance on electronic systems to vibration and shock testing to ensure resilience under dynamic conditions, Envitest Lab validate the integrity of electronic systems in automotive applications.

Envitest Lab is prepared to help automotive manufacturers with robust testing solutions tailored to electronic systems. Focusing on performance, durability, and reliability, Envitest Lab enables manufacturers to produce innovative and high-quality vehicles

## The Rise of Electronic Complexity

The modern automobile is a marvel of electronic engineering. Engine control units, infotainment systems, and ADAS features all rely on networks of sensors, actuators, and software. These systems play a vital role in everything from fuel efficiency and emissions control to driver safety and passenger comfort.

This growing electronic

complexity presents a challenge for manufacturers. They need to ensure that these systems function flawlessly under a variety of conditions, from extreme temperatures to harsh weather. Here's where automotive testing comes in.

Envitest labs, traditionally focused on ensuring mechanical performance and durability, are now strate-

gically adapting to meet the demands of this evolving landscape. Their expertise in testing for traditional automotive concerns remains crucial, but the growing importance of electronic systems necessitates a shift in focus. Envitest Lab stands ready to support automotive manufacturers in navigating this landscape by offering robust testing solutions.

## Envitest Lab: Adapting to the Electronic Age



Increasing use of electronic systems in the automotive industry.

Envitest Lab is traditionally focused on ensuring mechanical performance and durability, are now strategically adapting to meet the demands of this evolving landscape.

Envitest lab have a long history of providing testing services for the automotive industry. However, to stay ahead, Envitest Lab is actively expanding capabilities of electronics test. This

includes:

Electromagnetic compatibility (EMC) testing: Ensuring electronic systems don't interfere with each other or with external electromagnetic fields.

Environmental testing for electronics: Evaluating the performance of electronic components under extreme temperatures, humidity, and vibration.

Functional safety testing: Guaranteeing that electronic systems operate as intended in critical situations.

By incorporating these new testing methodologies, Envitest labs positioning themselves to be a one-stop shop for all automotive testing needs, from traditional mechanical systems to cutting-edge electronics.

## Envitest Lab Partners with Kumaraguru Institutions for Advanced Testing Services

Envitest Laboratories Pvt. Ltd. has signed a Memorandum of Understanding (MOU) with Kumaraguru Centre for Industrial Research and Innovation (KC.IRI). This collaboration marks a major step forward in Envitest Lab's commitment to excellence in product quality and brings the advanced testing capabilities to Coimbatore, creating a supportive ecosystem for product development and testing.

The MOU between Envitest

Lab and KC.IRI is a strategic move designed to leverage the strengths of both organizations. Envitest Lab, renowned for its testing facilities and expertise in various domains, will now be able to extend its services and technological capabilities to Coimbatore. KC.IRI, with its strong academic foundation in industrial research and innovation, provides a conducive environment for collaboration, offering infrastructure and a wealth of academic and industrial

expertise.

This MOU marks a major step forward in advancing product quality and innovation. This collaboration creates a supportive ecosystem for product development, benefiting the local industry, academia, and the broader community. Envitest Lab remains dedicated to its mission of delivering excellence in product testing and development, and this partnership with KC.IRI is a testament to that commitment.



## Creating a Supportive Ecosystem for Innovation

The collaboration between Envitest Lab and KC.IRI is poised to bring substantial benefits to both the local industry and the academic community. Companies in Coimbatore and surrounding areas will have the opportunity to collaborate with a leading testing laboratory, gaining insights into best practices and advanced testing methodologies. Moreover, stu-

dents and researchers at KC.IRI will benefit from hands-on experience with testing equipment, bridging the gap between academic research and industrial application.

Envitest Lab's partnership with KC.IRI represents a forward-thinking approach to industrial collaboration and product innovation. As this partnership evolves, it is expected to drive signif-

icant advancements in product testing and development.

The MOU signifies a commitment to fostering a culture of quality, reliability, and innovation, setting new benchmarks for product excellence. This can significantly reduce the time and resources required for product development and testing cycles for local business.

*Envitest's expansion into Coimbatore is a strategic move to benefit the entire industrial ecosystem of the region. With access to advanced testing facilities and expertise, Coimbatore's businesses can now better equipped to drive innovation and achieve new heights of success.*

## A Catalyst for Coimbatore's Industrial Growth

The MOU with KC.IRI marks a significant expansion for Envitest. Coimbatore, a hub for industrial activity in Tamil Nadu, will now have access to Envitest's advanced testing facilities and expertise. This collaboration aims to achieve several key objectives:

**Building a Robust Testing Infrastructure:** The

partnership will establish a testing facility within Coimbatore. This will cater to the environmental testing needs of local industries, particularly SMEs and startups.

**Enhanced Accessibility and Affordability:** By bringing these testing services closer to home, Envitest and KC.IRI aim to make them more accessi-

ble and cost-effective for Coimbatore's businesses.

**Fostering Innovation:** A supportive testing ecosystem will encourage businesses to develop new products with greater confidence, knowing they have access to the necessary testing facilities to ensure quality and compliance.



## Empowering Products

NABL Accredited Laboratory  
DGAQA Approved Lab  
TEC Recognized Lab  
No.14-1510, Shamanna Reddy  
Layout, Garvebhavi Palya, Hosur  
Road, Bangalore – 560068

Phone: 080 4217 1044  
Mob: +91 9606075771  
Mob: +91 9606075774  
Email: info@envitestlab.com



WE'RE ON THE WEB!

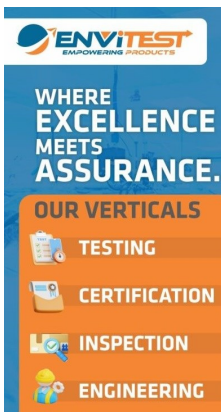
[www.envitestlab.com](http://www.envitestlab.com)



## Our Services

- ◇ Climatic Simulations
- ◇ Dynamics & Vibration
- ◇ Contamination and Ingress
- ◇ Materials / Metallurgical Testing
- ◇ Aircraft Electrical Testing
- ◇ Electrical Safety Testing
- ◇ Optical Fibre Cable Testing
- ◇ Telecom Interface Testing
- ◇ Electrical Cables and Connectors Test
- ◇ International Approvals
- ◇ Customized Tests
- ◇ Engineering Services

## About Envitest Lab



working tirelessly behind the scenes to guarantee product success

ENVITEST Lab abbreviated for “ENVIRONMENTAL TESTING”, established in 2017 at Bangalore Electronic City, is a ISO/IEC 17025 certified company with an objective to offer high-quality testing, inspection, pre-compliance, certification, and engineering services for the across the globe products.

We serve across domains products for the compliance and certifications. Over time we kept on add-

ing the new testing facilities to bring more opportunities for growth but would allow to provide a more complete portfolio of testing solutions to our customers. From our humble beginnings, we have grown from a simple test house who worked on the world’s most complex engineering projects to become a leading test lab of standard and custom test services. Throughout our journey to become one of the premier worldwide service providers of testing solutions, we have held true to the philosophy that the customer comes first.

Our Disciplines -

**Electronics and Electrical Product Test** covering Optic fibre, electrical connectors for

automotive and MIL, Aircraft electrical characteristic, Product safety, Product performance, Product susceptibility test.,

**Telecom Product Test** covering telecom products which covers PON and GPON Test, Interface Test, EMI/EMC test, Router and Switches and many more.

**Environmental Test** for Any Product covering - Shock and Vibration, Bump, Thermal, Humidity, Damp Heat, Cold Hot temperatures, thermal shock, Ingress protection, dust, water, contamination, fungus, Ultraviolet UV, salt and acidic corrosions and many more.