



# GENOMIC VALLEY

WHERE HEALTH MEETS INNOVATION



## A Memorable Encounter: The Birth of Genomic Valley

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In the early days of our journey, Genomic Valley had the privilege of an unforgettable encounter with the late former Prime Minister of India, Shri Atal Bihari Vajpayee Ji. This meeting was more than just a formal interaction; it was a significant milestone that would shape the identity and vision of our company.

Our esteemed Chairman had the honor of meeting Atal Ji, a visionary leader known for his profound wisdom and forward-thinking approach. During their conversation, our Chairman shared a phrase that resonated deeply with Atal Ji: "IT is India Today and BT is Bharat Tomorrow." These words encapsulated the potential of Information Technology (IT) and Biotechnology (BT) to transform India's future.

Impressed and inspired by this visionary statement, Atal Ji decided to bestow a special name upon our company. It was in that moment that he christened us "Genomic Valley," a name that symbolizes the confluence of advanced technology and the promise of a brighter tomorrow.

The impact of this meeting was profound. Atal Ji, deeply moved by the insight and foresight of our Chairman, shared this statement with scientists and leaders during subsequent gatherings. His endorsement and recognition of our vision reinforced our commitment to pioneering advancements in biotechnology.

At Genomic Valley, we carry forward the legacy of that inspiring encounter. The words

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**IT is India Today**

**BT is Bharat Tomorrow**

”

continue to drive our mission and innovation, guiding us as we strive to contribute to India's technological and biotechnological future.



# About US

Welcome to Genomic Valley Bharat Limited, where innovation meets expertise to revolutionize healthcare. With a dedicated team boasting over 10 years of experience in Next-Generation Sequencing (NGS), oncology, and Artificial Intelligence (AI), we are at the forefront of integrating advanced technologies into biotechnology and healthcare solutions.

Our team comprises highly skilled professionals passionate about utilizing their extensive knowledge to drive forward the fields of oncology research and diagnostics. We are committed to implementing both novel and validated methods, ensuring the delivery of accurate and confident results in our pursuit of better healthcare outcomes.

We are inspired by the visionary dream of India's former Prime Minister Shri Atal Bihari Vajpayee to create a Silicon Valley of genomics right here in India. We are on an exhilarating journey to transform this dream into reality by driving innovation and excellence in the field of genomics. Our mission is to establish Genomics Valley as a global epicenter for genomic research, diagnostics, and healthcare solutions, much like Silicon Valley has become for technology.

At Genomic Valley Bharat Limited, we believe in the transformative power of AI and IT. By leveraging these cutting-edge technologies, we aim to enhance the precision, efficiency, and effectiveness of oncology diagnostics and research, ultimately contributing to a healthier future for all. Join us on our journey as we pave the way for innovative solutions in biotechnology and healthcare.

# Our Mission

At Genomic Valley, our mission is to revolutionize healthcare by leveraging the power of genomics. We strive to offer accessible, reliable, and actionable genetic information that helps you understand your health better and take proactive steps towards well-being. By integrating Artificial Intelligence (AI) in healthcare and genomics, we aim to simplify the tasks of healthcare professionals, making diagnostics more accurate, treatments more personalized, and overall healthcare more efficient.



We are committed to providing affordable and cost-effective solutions that are easily available to our users. Our innovative approach significantly reduces the time taken for genetic analysis, thereby enabling doctors to make informed decisions swiftly and effectively. At Genomic Valley, we believe in making advanced healthcare accessible to everyone, empowering individuals and supporting healthcare professionals in delivering the best possible care.

# Our Vision

At Genomic Valley, our vision is to revolutionize molecular diagnostics with precision and efficiency through AI-based approaches. We are dedicated to advancing healthcare by offering more accurate diagnostics, backed by comprehensive metadata, delivered in less time.

Our goal is to provide personalized therapy options, empowering doctors with robust decision-making support and identifying effective treatments. By harnessing AI and IT, we aim to transform oncology research and diagnostics, ensuring patients receive precise and timely care.

We envision a future where cutting-edge technology and human expertise converge to revolutionize molecular diagnostics. Our commitment to innovation drives us to continuously implement advanced methods, improving patient outcomes and advancing global healthcare.

We also provide comprehensive Research Process Outsourcing (RPO) services to global researchers. With a dedicated team and professional software tools, we ensure refined data analysis and optimal solutions, enhancing research projects with advanced analytical capabilities. Join us in shaping the future of diagnostics and treatment, where technology and healthcare work hand in hand to deliver unparalleled results.



# Our Services

## Diagnostic Services

At Genomic Valley Bharat Limited, we harness Next-Generation Sequencing (NGS) and advanced AI technologies to deliver precise and rapid molecular diagnostics. This enables early detection and personalized treatment plans for oncology patients. Our cutting-edge NGS ensures healthcare providers have reliable data for informed decision-making, ultimately improving patient outcomes.

## Research Services

At Genomic Valley Bharat Limited, we advance oncology research using Next-Generation Sequencing (NGS) and artificial intelligence. With over a decade of experience, our team uncovers novel biomarkers and genetic insights. Collaborating with leading academic and industry partners, we translate discoveries into practical solutions. Our goal is to develop more effective diagnostic tools and therapeutic strategies, driving innovation and enhancing the understanding of cancer biology.



# Diagnostic Services



## Personalized Healthcare

At Genomic Valley Bharat Limited, we tailor medical treatment to individual genetic profiles using Next-Generation Sequencing (NGS) and advanced AI. Our precise diagnostics enable healthcare providers to design customized treatment plans, enhancing therapy effectiveness, minimizing adverse effects, and ensuring optimal care for each patient's unique genetic makeup.

## Genetic Disease Predisposition

Our genetic disease predisposition services identify susceptibility to hereditary conditions through NGS analysis. By predicting the likelihood of developing certain diseases, we enable early interventions and proactive healthcare measures. This empowers patients and healthcare professionals to make informed decisions about lifestyle changes, monitoring, and preventive strategies to mitigate genetic disease risks.



## Community Health Support

At Genomic Valley Bharat Limited, we improve public health outcomes through comprehensive genomic screening programs. Using NGS and AI, we offer population-wide genetic testing to identify health risks and tailor community health initiatives. This helps public health agencies design effective programs, improve disease prevention, and enhance community well-being.



# Research Services



## AI-Based Genome Healthcare

At Genomic Valley Bharat Limited, we are pioneering AI-based genome healthcare research to revolutionize the way genetic data is analyzed and interpreted. By developing sophisticated AI algorithms and machine learning models, we enhance the accuracy and speed of genomic diagnostics and research. This approach allows us to uncover complex genetic patterns and associations, driving innovations in personalized medicine and therapeutic strategies.



## Metagenomics and Healthcare

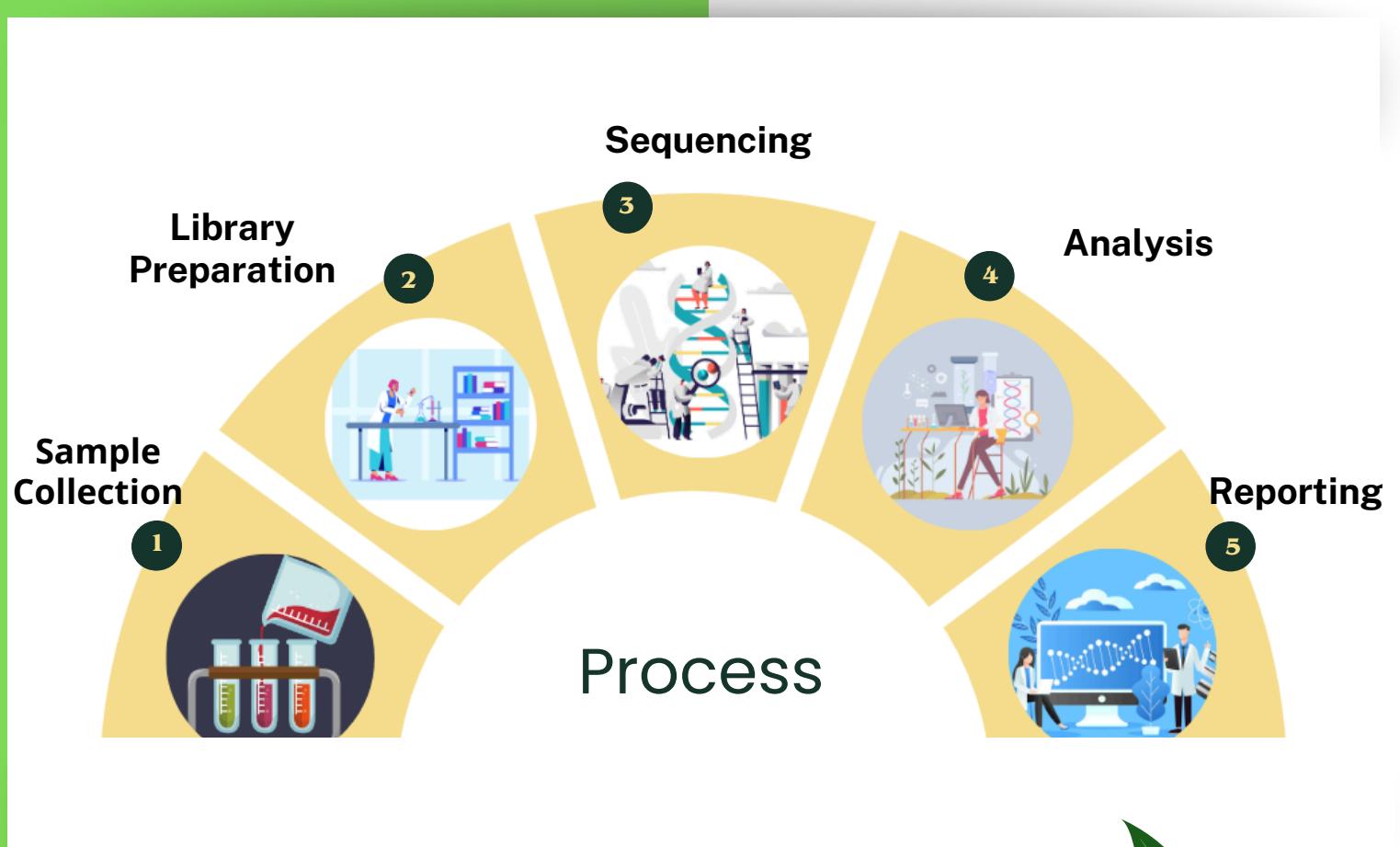
Our metagenomics research studies microbial communities' genomes and their impact on health and disease. Using advanced sequencing, we explore microbiomes' roles in health conditions to identify novel biomarkers and therapeutic targets. This research aims to transform our understanding and develop microbiome-based treatments and interventions.



## Extramural Research Project

Our extramural research projects involve collaborating with external academic institutions, research organizations, and industry partners to advance genomic science. These projects leverage our expertise in NGS and AI to explore new frontiers in genetics and healthcare. Through these collaborations, we aim to accelerate the translation of scientific discoveries into practical applications that can benefit patients and the broader healthcare community.

# The Process How We Do It





**“Taking Care of Your Tomorrow”**



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