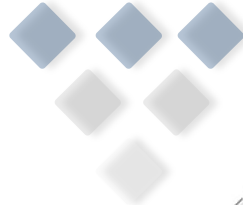




G-Cloud 14

Web & Mobile Development Services



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www.nablainfotech.com



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About Nabla

Nabla Infotech (Nabla) is a leading provider of software solutions and consulting services to clients globally. Our extensive services encompass technology consulting, data engineering, data science, bespoke application development and maintenance, process, technology re-engineering, and quality assurance services. We excel in creating, managing, and optimizing large-scale business outcomes.

Nabla is proud to have a global footprint with a strong presence in key markets like the USA and the UK and a state-of-the-art Global Development Center (GDC) in Pune, India. Our local presence in the USA and UK allows us to understand the unique business landscapes, cultural nuances, and regulatory environments, enabling us to deliver tailored solutions that meet our clients' specific needs and preferences.

Our GDC in Pune, India, is at the heart of our operations. This vibrant city is a hub of IT excellence, home to world-class educational institutions and a rich pool of highly skilled technical talent. By tapping into these resources, we ensure that our teams are equipped with the expertise and capabilities needed to deliver cutting-edge solutions to our global clients.

Our global delivery model enables us to offer cost-effective and scalable services to our clients worldwide. With teams operating in different time zones, we ensure round the clock support, timely delivery, and seamless communication, maximizing efficiency and minimizing project turnaround times.

At Nabla, we are committed to operational excellence. We achieve this through strategic automation of our internal business and operational processes, leading to increasingly shorter turnaround cycles. By adopting the best DevSecOps practices and a comprehensive pipeline of ALM tools, we ensure the delivery of quality solutions with tangible benefits to our clients, such as accelerated time to market, budget control, and enhanced service reliability and security.

In our pursuit of offering sophisticated services along the value chain, we have established knowledge management groups. Additionally, we ensure that all our resources undergo periodic training in cutting-edge technologies and best practices.

Overview of Nabla Services

Nabla specializes in cutting-edge web and mobile development solutions. Nabla is committed to bringing your digital vision to life with a passion for innovation and excellence.

In every facet of our services, the cloud is not just a tool but a cornerstone of our success. It enables us to push boundaries, deliver exceptional results, and empower our clients to thrive in an increasingly digital world. Our cloud-centric approach to application development ensures unparalleled scalability, agility, and reliability. By harnessing the power of cloud platforms, we create dynamic and responsive applications that can seamlessly adapt to fluctuating demands and evolving user needs. By leveraging cloud infrastructure, we proactively monitor, manage, and optimize applications, ensuring peak performance and maximum uptime for our clients.

Cloud-native product development strategy sets us apart in the market. By building products on cloud platforms, we enable rapid innovation, seamless integration, and effortless scalability. From dynamic websites to robust web applications, our cloud-powered web development services redefine online experiences. By utilizing cloud technologies, we create lightning-fast, secure, and scalable web solutions that elevate brands and drive engagement. In the realm of mobile applications, we craft mobile experiences that leverage cloud infrastructure to deliver unparalleled speed, reliability, and innovation.

At Nabla, we understand that your business is unique, and so are its digital needs. Our web development services are meticulously tailored to meet these needs, whether you're launching a new website or giving an existing one a fresh look. Our skilled developers leverage the latest technologies and best practices to create exceptional, user-friendly experiences. From responsive design to e-commerce solutions, we have the expertise to help you shine in the competitive online landscape.

In today's mobile-centric world, having a solid presence on smartphones and tablets is essential for success. Our mobile development team designs custom, feature-rich apps for iOS and Android platforms. Be it a native app, a cross-platform solution, or a progressive web app, Nabla has the skills and experience to bring your ideas to life. From concept to launch, we work closely with you to ensure that your mobile applications meet your goals and exceed your expectations.

Service Differentiators

Application Development	
Turnaround time	Efficiency
Average 20% faster delivery	30% reduction in development cost using reusable modules, code optimization, and streamlined processes

Application Maintenance		
Response time	Resolution rate	Cost savings
Average 1 Hour for critical issues	97% resolution rate within agreed Service Level Agreement	Save up to 20% maintenance cost through proactive maintenance and predictive analysis

Product Development	
Time-to-market	Customer Satisfaction
20% faster using our agile product development methodologies	Customer satisfaction score of 98% through prioritization of user feedback and iterative development

Web & Mobile Development		
Cross-platform compatibility	User retention	Performance optimization
Higher engagement and conversion rates through responsive design, meticulous testing. Expertise in Web, iOS, Android, and Hybrid application development.	User retention rate 40% in 90 days.	Resource utilization and performance tuning

- Ready reusable modules like Keycloak driven multi-tenancy user management and frontend components which speeds up the delivery time results in cost savings as well.
- Faster and Quality delivery through ready-to-use processes
- Skilled talent pool
- Time zone advantage
- Agility and flexibility
- Engagement and loyalty
- Knowledge transfer and training for in-house teams

Key Features

- Roadmap and Strategy
- Consulting
- Cost-effective solutions
- Skilled talent pool - mobile app developers proficient in various platforms such as iOS, Android, and cross-platform development frameworks. Nabla has expertise in cross-platform development frameworks such as React Native, Flutter, and others, the company enables clients to reach a broader audience by developing mobile applications that run seamlessly on multiple platforms with a single codebase, reducing development time and costs.
- Expertise in diverse technologies - Proficient in a wide range of technologies and frameworks relevant to web and mobile development, such as
 - Development methodologies: Agile, Scrum, Kanban
 - User experience (UX) design: Design methodologies and tools to create intuitive, user-friendly interfaces, focusing on usability, accessibility, and aesthetics. User experience (UX) and User Interface (UI) design and development.
 - Web development: JavaScript (React, Angular, Vue), Python, PHP, Java/J2EE, Springboot, MS.Net, c#, Microservices, Webservices, RESTful API, Firebase, and platform integration.
 - Databases: MongoDB, Hadoop, NoSQL, Oracle, MS SQL Server, Postgres, MySQL, etc.
 - Mobile development: Flutter, React Native, Swift, Kotlin, Objective-C, Firebase Realtime Database, and SQLite
 - PaaS platforms: Force.com, Heroku, Elastic Beanstalk, Google App Engine, Cloud Foundry, Azure, etc.
 - Configuration automation: Terraform, Kubernetes, Ansible, CloudFormation
 - CI/CD: Jenkins/Jenkins-X, Circle-CI, GitHub, BitBucket, GitLab, Azure DevOps, Maven, etc.
 - Performance Optimization: Techniques like code minification, image optimization, lazy loading, and caching to improve application performance and speed.
 - Testing approach: Legacy, Test Driven Development, Behavioral Driven Development
- Customized solutions
- Conceptualization and ideation
- Design
- Prototyping and MVP Development
- Engineering and manufacturing
- Testing and quality assurance
- Deployment and post-deployment support
- Customized Solutions: Tailored applications developed to meet specific business requirements, including functionality, user interface, and integration needs.

- Scalability
- User-Centric Design: Focus on user experience (UX)
- Agile Development Methodology
- Cross-Functional Collaboration
- Continuous Delivery
- Product Lifecycle Management: Comprehensive management of the product lifecycle, including feature planning, backlog grooming, release management, and post-launch support.
- Security and compliance
- Proven track record
- Accelerated mobile app prototype and MVP development.
- Full cloud coverage: Google Cloud, AWS, Azure, Heroku, etc.
- Automated regression testing to speed up major release cycles.
- Minor changes continuously tested and delivered using fully automated pipelines.
- Global delivery model

Business Benefits

- Faster Time-to-Market
- Cost savings and improved operational productivity
- Adherence to principles and standards e.g., SOLID/DRY, GDS-Service Standards, etc.
- Independent Mobile App Development
- Quality Assurance and automated testing
- Scalable microservices architecture using containerization (Docker and Kubernetes)
- Industry and Government best practice (DO178C, ISO9001, IEEE, ARINC, MISRA)
- Open-source to eliminate vendor and platform lock-in
- Enhanced user experience
- Enhanced performance
- Expertise and experience
- Scalability
- Quality assurance
- Collaborative partnership
- Cross-platform compatibility
- Proactive Issue Resolution
- Global reach

Technologies, Vendor, Methodologies Supported

Nabla supports a wide array of cutting-edge technologies, utilizes the latest toolset, and adheres to industry best practices and standards.

Our expertise spans a diverse range of significant technologies, ensuring we have the right tools for your project's needs. We leverage a comprehensive technology stack to deliver robust and scalable solutions from frontend frameworks like React and Angular to backend technologies such as Java, Microsoft.Net, and Node.js.

Our toolset includes industry-leading tools for version control (e.g., Git), continuous integration and deployment (e.g., Jenkins, GitLab CI/CD), and project management (e.g., Jira, Trello), enabling streamlined development workflows and efficient project delivery.

At Nabla, quality is not just a buzzword; it's at the core of everything we do. We adhere to industry best practices and coding standards to ensure our solutions are reliable, maintainable, and scalable. From following design patterns like MVC (Model-View-Controller) and MVVM (Model-view-viewmodel) to implementing coding conventions and code review processes, we prioritize excellence in software craftsmanship.

Nabla's expertise in cloud technologies, strategic partnerships with leading vendors, and adoption of best-in-class methodologies across all our services position us as a trusted partner for businesses seeking to leverage the full potential of the cloud for application development, maintenance, product development, web development, and mobile application services. With our cloud-centric approach, we empower our clients to innovate, scale, and thrive in the digital age.

Nabla harnesses the power of platforms like AWS, Microsoft Azure, and Google Cloud to drive digital transformation for our clients. Whether it's building scalable applications, deploying robust infrastructure, or leveraging advanced cloud services like AI, machine learning, and big data analytics, we excel in maximizing the potential of the cloud to fuel business growth and agility. We have forged strategic alliances with top-tier cloud vendors, enabling us to access cutting-edge technologies, exclusive resources, and specialized support. Our partnerships ensure that we stay ahead of the curve, offering our clients the most advanced solutions and expert guidance to navigate the complexities of the cloud landscape.

We adhere to established guidelines and standards set forth by industry organizations and regulatory bodies, whether it's compliance with web standards (e.g., W3C) for frontend development or adherence to security standards (e.g., OWASP) for application security.

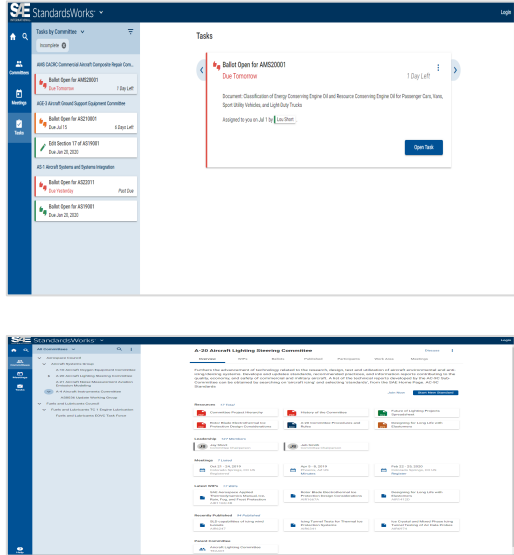
Every project is unique, and we tailor our technology choices, toolset, and practices to meet each client's specific requirements and objectives. Whether you need a mobile app built with React Native, a web application powered by Django, or a cloud-native

solution deployed on AWS, we have the expertise and flexibility to deliver the right solution for your needs.

Software Product Development			Quality Engineering and Automation Testing	
Backend	Frontend	Database		
            	        	        	            	

Client Success Stories

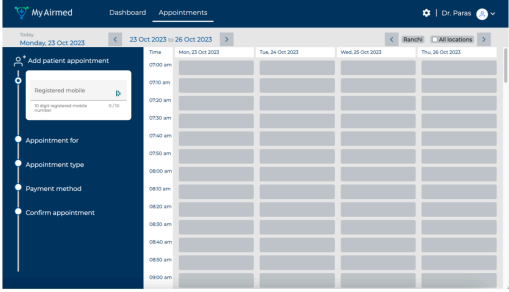
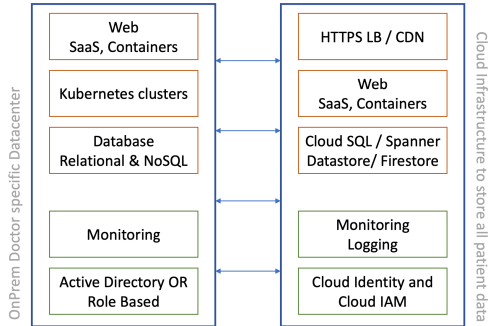
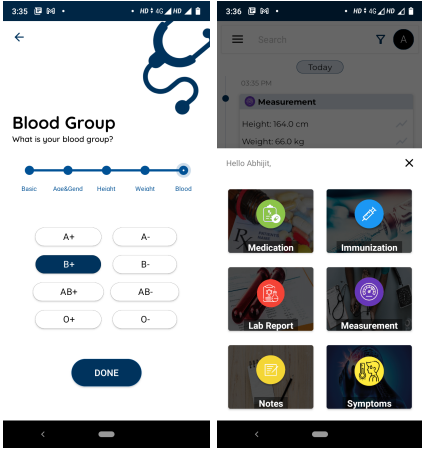
Collaboration platform for standards development – SaaS Solution

	Client
	<p>A large nonprofit Automotive organization wanted to streamline the user experience of 10,000+ engineers engaged in collaborating development of standards for the aerospace and automotive industry.</p>
	Challenges
	<p>The objective of the organization was to enable faster time-to-market of technical standards that influence the organizations to build products that are safer and cost effective to produce.</p>
	Solution
	<p>Using design thinking as the core philosophy for empathizing with the engineering community, workflows were designed, and user tested. A "design system" was created to guide the UI designers. An opinionated UI framework was chosen and built to guide the team in delivering an application front end that delighted the users to collaborate on standards with minimal friction. The solution was built on Microservices architecture and event messaging design which is proven scalable and highly available.</p>
	Benefits
	<p>Using this solution, the client was able to onboard 80% of the existing user community in 3 months and reduce the average time-to-market of a technical standard by 15% within the first year.</p>

Auditor Management System

Client
Customer is a US based trade association providing services to the industry by certifying and managing a database of approved auditors against specific industry scheme requirements.
Challenges
A Workflow system was needed to support the Auditor Authentication & Management. This includes auditor online application to provide required information, payment of fees online, review the application with internal reviewer through a workflow and revision, upgrade and reassessment of auditor’s certification.
Solution
Solution proposed built with Model View controller architecture workflow with user roles Auditor, Reviewer and Staff. The system integrates with payment Gateways for credit card transaction and connects with NetSuite for generating invoices. Nabla has developed a J2EE/Java based web-based application. The technologies selected were Java, J2EE, Spring, JSON and RESTful Web Services, hibernate, ElasticSearch and Oracle.
Benefits
The use of open-source technologies reduced costs by 50%, while online applications and payments streamlined auditor processing, resulting in increased productivity by 60%.

MyAirmed – EHR application for patients and healthcare providers

  	<div data-bbox="754 309 1396 342" data-label="Section-Header"> <h3>Client</h3> </div> <p data-bbox="754 347 1396 651">MyAirmed is a Health Information sharing application between patients and healthcare providers. MyAirmed allows you to consult a health professional within minutes, via your smartphone or a tablet. It gives an effortless, safe, and secure platform that enables healthcare professionals to treat their patients remotely.</p> <div data-bbox="754 656 1396 689" data-label="Section-Header"> <h3>Challenges</h3> </div> <p data-bbox="754 694 1396 1301">In India, there is no centralized and standard way of exchanging patient's health data between various healthcare providers. In case, patient's health deteriorates and needs specialist's attention, the data loss from family doctors (general practitioners) to the super specialty hospitals or specialist causes delay in treatment. Also, it is up to the patients to maintain a physical file having health records, which is another problem where the documents (prescriptions, DICOM images, etc.) may get lost or damaged with time. Objective of MyAirmed is to have application suite which will help patients and healthcare providers to overcome these issues.</p> <div data-bbox="754 1305 1396 1339" data-label="Section-Header"> <h3>Solution</h3> </div> <p data-bbox="754 1344 1396 1570">MyAirmed application suite consists of mobile application for patients to maintain health records by creating profiles of family members and web application for authorized healthcare providers to exchange data between systems.</p> <ul data-bbox="807 1574 1396 1995" style="list-style-type: none"> • This helps patients refer to the prescriptions given by General Practitioners offline, refer DICOM images uploaded by radiology labs, refer lab reports, etc. on mobile application. • General Practitioners has access to web application using which they can view patient's timeline to refer to health history and gives prescriptions online.
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	<ul style="list-style-type: none"> • Path labs and radiology labs can complete the order and upload the data against patient's profile instead of sharing these reports on patient's personal emails. Prescriptions can be ordered online from pharmacy. • The data is stored using Fast Healthcare Interoperability Resources (FHIR), a next-generation standard framework to store personal health information.
	<div data-bbox="754 667 1401 705" data-label="Section-Header"> <h4>Benefits</h4> </div> <ul style="list-style-type: none"> • Doctors get one unified solution which takes care of Appointments, EHR management, SOAP note taking using NLP, and Prescription using NLP and AI. This helps in <ul style="list-style-type: none"> ○ Speed and efficiency. ○ Scalability ○ Data accuracy and integrity ○ Interoperability ○ Security and compliance • Patients can store family's health records in a systematic way without having to carry physical documents. • Having data stored using the FHIR standard makes it easy to sync/exchange data between various other Electronic Health Record systems having FHIR implementation. This helps in connecting the entire healthcare ecosystem including patients, doctors, clinics, hospitals, pharmacies, and diagnostics in a seamless and cohesive manner.

Why Nabla?

At Nabla, we understand that choosing the right IT partner is crucial for your business's success. We are more than just an IT vendor; we are your trusted partner in digital transformation.

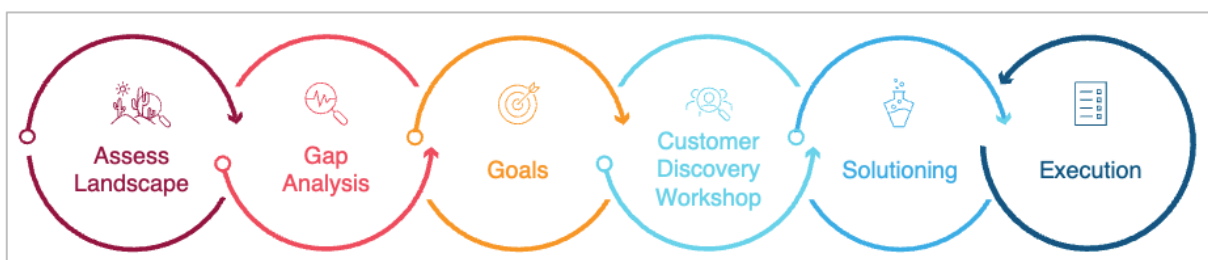
With Nabla's unwavering commitment to customer satisfaction, we foster enduring partnerships built on trust, transparency, and mutual respect. Your contentment is our paramount concern. From the initial consultation to post-launch support, we pledge to deliver exceptional service at every juncture.

With a global footprint and local presence in key markets, we're well-positioned to serve clients worldwide. Whether based in the USA, the UK, Europe, or beyond, you can count on Nabla to deliver reliable, cost-effective solutions that drive tangible results for your business.

Nabla's Differentiator

- Skilled talent pool: Top-tier talent with expertise in cutting-edge technologies
- Proven track record: Track record of successful project deliveries considering time, budget, and quality.
- Cost effectiveness: High-quality services at competitive rates
- Quality assurance and compliance: Prioritizing quality assurance, adherence to industry standards, and compliance with regulatory requirements
- Agile methodologies: Experience in agile methodologies for software development adding flexibility, transparency, and ability to deliver value iteratively.
- Cultural compatibility: Experience working with clients from diverse cultural backgrounds.
- Innovation and creativity: Commitment to innovation, emerging technologies, and continuous learning

Nabla's Approach



1. Nabla starts by thoroughly evaluating the client's existing landscape, including their current applications, maintenance practices, and product offerings. This assessment involves understanding the client's business objectives, market position, target audience, and technological infrastructure.
2. Following the landscape assessment, Nabla conducts a comprehensive gap analysis to identify discrepancies between the client's current and desired state. This assessment involves scrutinizing application performance, user experience, feature set, scalability, security, and maintenance requirements.
3. Based on the landscape assessment and gap analysis findings, clear and measurable goals are defined in collaboration with the client. These goals are aligned with the client's business objectives and serve as the foundation for the project's scope, timeline, and success criteria.
4. A customer discovery workshop is organized to gain deeper insights into the client's business needs, user preferences, pain points, and market dynamics. Stakeholders, end-users, and subject matter experts are engaged in collaborative sessions to gather valuable feedback and refine project requirements.
5. Leveraging insights from the landscape assessment, gap analysis, and customer discovery workshop, the company designs tailored solutions to address identified challenges and opportunities. Solution design encompasses architectural planning, technology selection, development methodologies, and scalability considerations to ensure alignment with client goals.
6. With a well-defined roadmap and solution design, the company proceeds with the execution phase, encompassing application development, maintenance, and product development activities.

Skilled development teams collaborate closely with clients to build robust, scalable, and user-centric applications that meet project requirements and quality standards. Continuous communication, transparency, and collaboration ensure that development efforts are aligned with business objectives and user expectations. Post-launch, the company provides ongoing application maintenance and support services to ensure optimal performance, stability, and security. Proactive monitoring, issue identification, and resolution are prioritized to minimize downtime and enhance user satisfaction.

The company emphasizes continuous improvement and optimization throughout the application development, maintenance, and product development lifecycle. Feedback loops, performance metrics, and post-implementation reviews are utilized to identify areas for enhancement and drive ongoing innovation.

By following this comprehensive approach, the company ensures that its application development, maintenance, and product development services are aligned with client objectives, user needs, and market trends, ultimately delivering value-driven solutions that drive business growth and success.

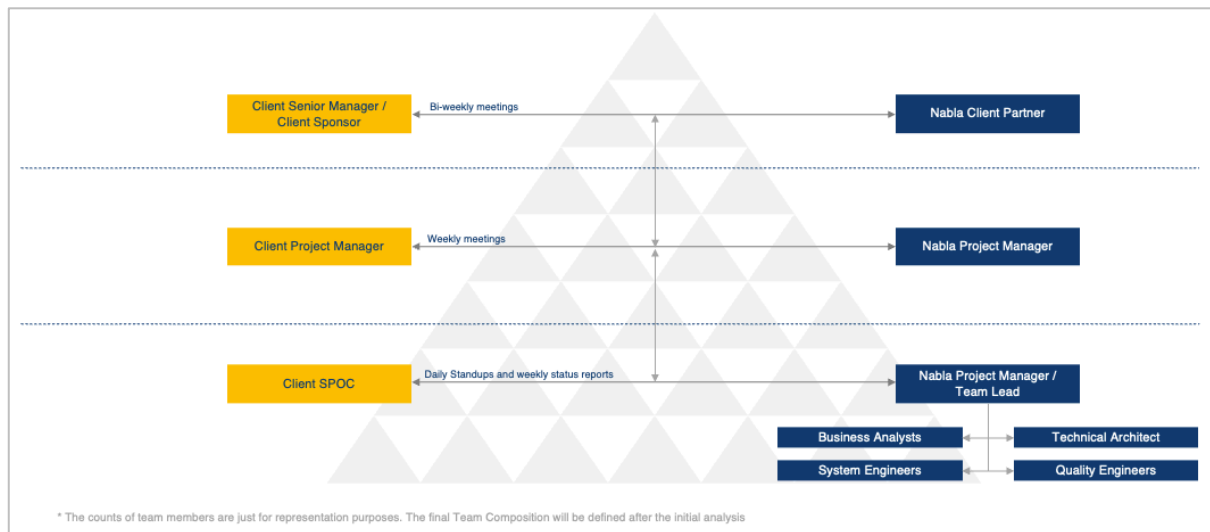
Methodology



At Nabla, we pride ourselves on our Agile methodology for application and product development. Our approach is centered around delivering value to our clients efficiently, collaboratively, and iteratively. For Nabla, the Agile methodology for application and product development is not just the process; we have embraced the Shift Left approach to software development, putting quality at the forefront of everything we do.

Agile methodology is a strategic philosophy that drives our commitment to excellence. When you choose Nabla, you are choosing a partner who prioritizes quality, collaboration, and innovation at every stage of the development journey. We are not just building software – we're building success. Rapid time-to-market, flexibility and adaptability, continuous collaboration, customer-centric focus, quality assurance and continuous improvement, transparent communication and visibility are the key benefits that clients can be assured of.

Team Structure & Governance



At Nabla, our team structure and governance are designed to ensure seamless collaboration, effective communication, and successful project delivery. Our team is designed to minimize risk and deliver exceptional results for every project with benefits like dedicated client teams, clear communication channels, transparent governance framework, proactive risk management, and continuous improvement.

Further Information

For more information about our G-Cloud services, please contact our Public Sector team at reachout@nablainfotech.com.



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