EDS A27-24-022-A4



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# AMENDMENT # A4 Contract # EDS A27-24-022-A4

This is an Amendment to the Contract (the "Contract") previously identified as EDS # A27-24-022 entered into by and between the Indiana Secretary of State (the "State") and Venturit Inc. (the "Contractor") approved by the last State signatory on March 25, 2024.

In consideration of the mutual undertakings and covenants hereinafter set forth, the parties agree as follows:

- 1. Deliverables for the Secretary of State Business Services Division Notary Public Commission Administration and Testing application as detailed in **Attachment A**.
- 2. The contract is hereby extended for an additional period of 10-months. It shall terminate on **December 31, 2025**.
- 3. The consideration for deliverables are detailed in Attachment A shall not exceed Three-Hundred Thirty-Five Thousand Dollars (\$335,000.00).
- 4. All work on the Securities Division Money Quest Application, detailed in EDS A27-24-022-A2 is suspended until further notice and written authorization.

All matters set forth in the original Contract, Master Service Agreement and Addendum, and not affected by this Amendment shall remain in full force and effect.

#### Non-Collusion and Acceptance

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Contractor, or that the undersigned is the properly authorized representative, agent, member or officer of the Contractor. Further, to the undersigned's knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Contractor, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Amendment other than that which appears upon the face hereof. Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC § 4-2-6-1, has a financial interest in the Amendment, the Contractor attests to compliance with the disclosure requirements in IC § 4-2-6-10.5.

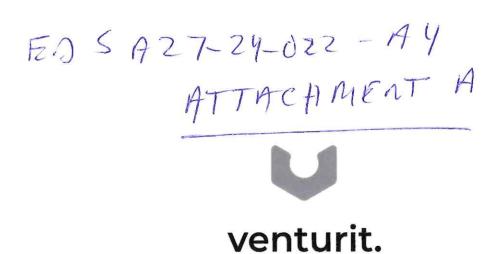
In Witness Whereof, the Contractor and the State have, through their duly authorized representatives, entered into this Amendment. The parties, having read and understood the foregoing terms of this Amendment, do by their respective signatures dated below agree to the terms thereof.

Venturit Inc. [Contractor]		Indiana Secretary of State [Indiana Agency]		
Ву:		Ву:		
Prabode Weebadde, CEO		Jerold A. Bonnet, Deputy Secretary		
Name and	Title, Printed	Date: 2-12-2025		
Date:	02/12/2025	g v		

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Fast-Track Digital Innovation

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Proposal to Modernize Notary Commission Training with a Scalable, Reusable LMS

Presented by

Venturit Inc. to the State of Indiana Secretary of State's
Office

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Founder, CEO and Chief Architect

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01/29/2025

**Executive Summary** 

P1/29 + APPENDIX

Venturit is pleased to present this proposal to modernize the Notary Education Credential Learning Management System (LMS), addressing key challenges reported by both learners and administrative staff. Through our discovery call, we identified several critical issues with the current system:

## **Key Challenges**

- 1. Outdated Instructional Design The platform lacks contemporary instructional design principles, failing to support learner-centered approaches and adaptive learning paths.
- 2. Non-Compliance with Accessibility Standards Lessons do not meet Web Content Accessibility Guidelines (WCAG), limiting inclusivity.
- 3. Lack of Systematic Learning Frameworks The system does not support ADDIE, Bloom's Taxonomy, or competency-based learning for continuous course improvement.
- Limited Personalization & Al Support The LMS lacks Al-driven learning tools, asynchronous learning capabilities, and data-driven instructor oversight to improve outcomes.
- 5. Stagnant Continuing Education (CE) Courses Learners express dissatisfaction with redundant content, reducing the perceived value of state-mandated CE courses.
- 6. Fragmented Systems & Integration Issues Notary courses currently operate across three separate systems, creating integration, user experience, and administrative inefficiencies.

The Indiana Secretary of State's (SOS) administrative team has also faced challenges in updating course content and delivering adequate support to learners using the current LMS.

#### **Venturit's Proven Expertise**

With over 15 years of experience designing scalable LMS solutions, Venturit has successfully developed platforms grounded in modern instructional design principles. For example, our work with GlobalLT integrated ADDIE frameworks, Al-driven learning tools, and third-party resources (e.g., Rosetta Stone) to enhance competency-based learning in corporate and professional education.

Our proposed LMS will build on this expertise while incorporating state-of-the-art Al-powered learning tools, cloud security, and accessibility compliance.

## **Innovative Al-Driven Learning & Compliance**

The proposed LMS will fully comply with Title 75 Indiana Secretary of State, Article 7 Notary Public Governance (75 IAC 7-2-3), ensuring compliance with continuing education (CE) mandates and competency-based certification requirements.

The Al-powered instructor, leveraging Google NotebookLM and other Large Language Models (LLMs), could provide:

- ✓ Real-time learner support with Al-generated explanations, practice scenarios, and interactive case studies.
- Personalized learning paths that adapt content dynamically based on learner performance and engagement.
- ✓ Instructor-enhanced AI tools for tracking learner progress, identifying at-risk students, and automating content recommendations.

The Wizdn LMS platform, successfully deployed at Big Ten universities, K-12 institutions, and professional training organizations, will serve as the foundation for this new system. Wizdn ensures:

- ✓ **Scalable cloud-based deployment** for future credentialing expansions.
- ✓ WCAG-compliant accessibility for inclusive learning experiences.
- Flexible content authoring that enables instructors to adapt courses continuously.

#### **Uncompromising Security & Cloud Architecture**

Venturit follows NIST CSF 2.0, CIS Controls v8, and ISO/IEC 27001 to build secure, resilient cloud applications. Our Zero Trust Architecture (ZTA) ensures:

- ✓ Continuous authentication & least-privilege access for enhanced security.
- ✓ STRIPE-based threat modeling to embed security controls into every feature from development to deployment.
- ✓ Security monitoring via Wiz, CrowdStrike, and Rootkit Defense, protecting against insider threats, malware, and API abuse.

The LMS will be hosted on the State of Indiana's AWS cloud infrastructure, with its source code maintained in the Indiana SOS DevOps repository. This will allow state IT teams to manage and enhance the LMS independently in the future, reducing vendor lock-in.

#### A Scalable & Future-Proof Solution

Beyond Notary Education, the proposed LMS is designed to host additional credentialing programs for the Indiana Secretary of State's Office. Its flexible architecture allows it to be utilized by the Securities Division, Auto Dealer Services Division, and other departments as needed. The platform will:

- ✓ Consolidate pre-requisite and post-requisite tracking into a single system.
- ✓ Reduce operational costs while enhancing engagement for learners, instructors, and administrators.
- ✓ Provide an extensible, Al-driven learning ecosystem capable of supporting future credentialing and compliance programs.

## A Personal Commitment to Excellence

As a Doctor of Technology graduate from Purdue University, I take great pride in delivering worldclass educational solutions that transform learning, security, and accessibility. It is an honor to work with the State of Indiana in building a best-in-class LMS with AI-powered learning capabilities.

**Boiler Up!** 

Dr. Prabode Weebadde Founder & CEO Venturit Inc.

#### Introduction 1

Venturit is excited to partner with the Indiana Secretary of State to modernize the Notary Education Credential LMS, ensuring it meets the evolving needs of learners, instructors, and administrators. This next-generation LMS will address key challenges such as accessibility compliance (WCAG), system integration, and instructional design while streamlining operations, enhancing learning outcomes, and reducing costs.

With over 15 years of expertise in developing scalable, Al-driven LMS solutions, Venturit has successfully deployed learning platforms for Big Ten universities, K-12 institutions, and professional training organizations. Our Wizdn LMS platform offers a secure, adaptable, and future-proof solution tailored to credentialing needs.

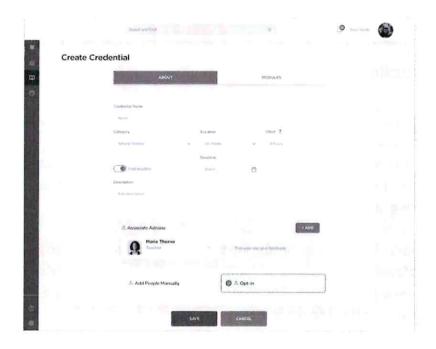
#### **Conceptual Visuals of the Proposed LMS**

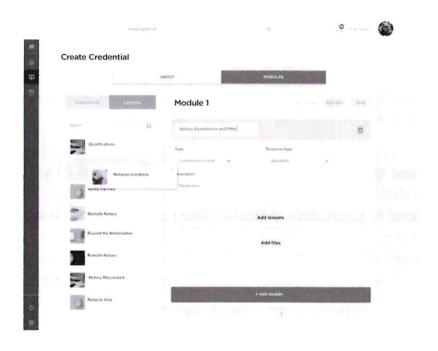
The following conceptual visuals provide an example of how the Wizdn LMS will enhance the user experience compared to the current system. These screens are fictional representations designed to illustrate key improvements in design, usability, and functionality.

#### Modular Architecture & Role-Based Access

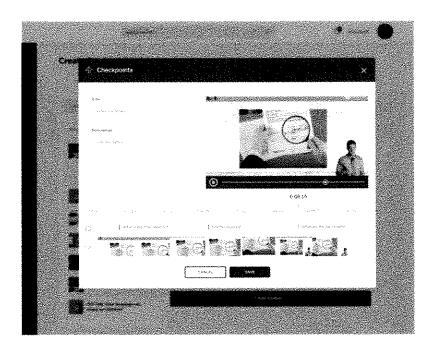
The proposed LMS architecture will be built using a microservices framework, ensuring scalability, security, and flexibility. Key features include:

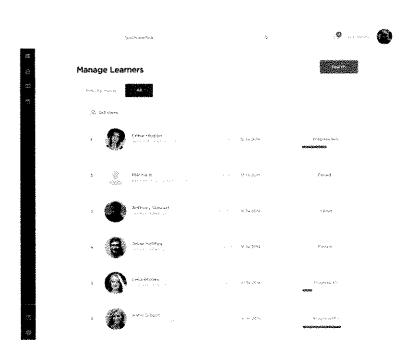
- ✓ Role-Based Access Control (RBAC) Secure multi-tiered access for administrators, support staff, instructors, and learners.
- ✓ Al-Powered Personalization Adaptive learning pathways based on learner progress and engagement.
- ✓ Incremental, Iterative Deployment Features will be developed and deployed based on priority, allowing phased rollouts to meet project deadlines efficiently.



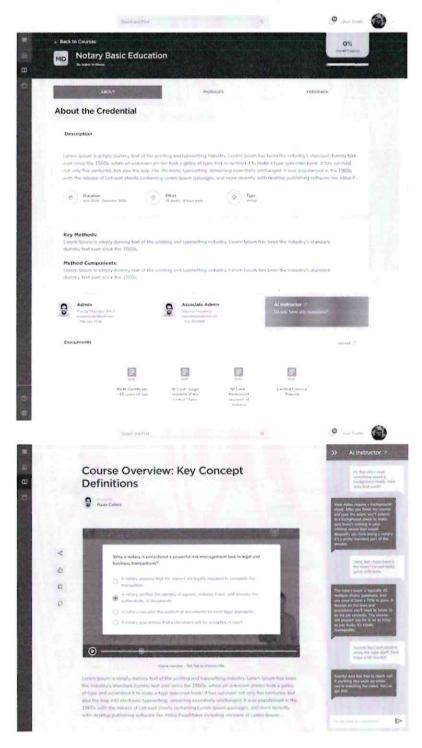


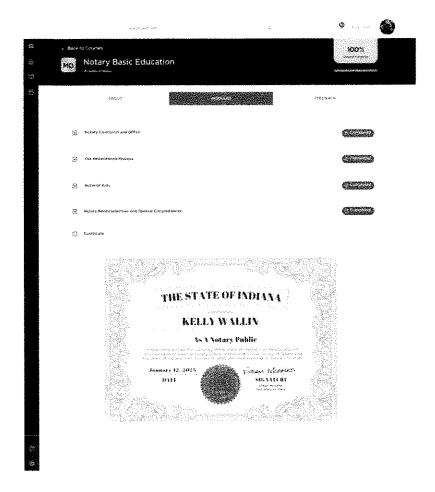
## Venturit Inc.





## **Learner Screen Examples**





## 2. Proposed Statement of Work

## 2.1 Tailored LMS Development and Integration

Venturit proposes a cutting-edge LMS that addresses the Indiana Secretary of State's Notary Credentialing needs through a combination of modern instructional design practices and advanced technology solutions. Our approach emphasizes scalability, learner engagement, and operational efficiency. Key elements include:

- 1. Advanced Instructional Design Integration
  - Leveraging 15+ years of expertise, Venturit will design courses based on proven frameworks like ADDIE and SAM (Successive Approximation Model), ensuring iterative improvement and adaptability.
  - Courses will employ Bloom's Taxonomy to map objectives to measurable outcomes and incorporate Constructivist theories to encourage learner-driven exploration and problemsolving.
  - Use of microlearning modules, interactive scenarios, and spaced repetition to enhance retention and application of knowledge.
- 2. Compliance with Title 75 Indiana Secretary of State, Article 7 Notary Public Governance (75 IAC 7-2-3)

The proposed LMS will fully comply with Title 75 Indiana Secretary of State, Article 7 Notary Public Governance (75 IAC 7-2-3) by ensuring continuing education (CE) mandates and competency-based certification requirements are seamlessly integrated into the system.

**Key Compliance Requirements:** 

- ✓ CE Completion Timeline: Notaries must complete three (3) CE courses over a six-year commission period, with courses required at 2, 4, and 6 years from the commission date.
- ✓ Automatic Tracking & Notifications: The LMS will track CE course deadlines and provide automated reminders to ensure compliance.
- ✓ Failure to Complete CE: The system will enforce rules to flag non-compliance, preventing commission renewal upon CE expiration.

CE Curriculum Covered in the LMS:

The LMS will host structured competency-based CE courses, covering:

✓ Notary commission terms, renewals, and reporting requirements.

- ✓ Geographic jurisdiction and legal limitations of notarial acts.
- ✓ Procedures for proper notarization, including identity verification, jurats, and electronic notarizations.
- ✓ Ethical guidelines, prohibited acts, and unauthorized practices.
- ✓ Investigation and disciplinary processes for notary violations.

## 3. Accessibility as a Core Design Principle

- Full compliance with WCAG 2.1 and proactive inclusion strategies such as captioned videos, text-to-speech options, and high-contrast designs for usability.
- Incorporation of universal design principles to cater to users with varying skill levels and backgrounds.

#### 4. Al-Powered Personalization for Learner Success

- Real-time performance analytics and Al-driven content delivery (e.g., adjusting pacing, recommending additional resources).
- Automated nudges and personalized feedback for learners at risk of non-completion.

#### 5. Consolidation and Modular Architecture

- A unified platform to eliminate integration challenges with current systems, reducing administrative burden and streamlining workflows.
- Modular design supports seamless expansion to additional credentialing programs or Continuing Education (CE) requirements.

#### 6. Instructor Empowerment Tools

- Advanced dashboards for tracking learner progress and issuing interventions.
- Tools to create custom quizzes, checkpoints, simulations, and assessments aligned with credentialing standards.

## 7. Cybersecurity Management

The following table outlines Venturit's comprehensive cybersecurity strategy for securing the LMS against modern cyber threats. Our approach aligns with industry best practices and leading security frameworks, including NIST CSF 2.0, CIS Controls v8, and ISO/IEC 27001.

By integrating Zero Trust principles, Al-driven threat detection, and cloud-native security controls, the LMS ensures data confidentiality, integrity, and availability. This strategy incorporates role-based access control (RBAC), encrypted storage, continuous monitoring, automated security scanning, and robust incident response mechanisms.

Each security domain is mapped to specific NIST, CIS, and ISO security controls, ensuring compliance and resilience against evolving threats. The table below provides a detailed breakdown of security implementations across key areas, including access control, data security, threat detection, application security, cloud security, and business continuity.

Security Domain	Security Control	Mapped Frameworks	Implementation in LMS
Access Control	Role-based access control (RBAC) with least privilege.	NIST CSF PR.AC-4, CIS Control 6, ISO 27001 A.9.1	Define granular roles for learners, instructors, and administrators with minimum required permissions.
Multi-Factor Authentication (MFA) for all admin and instructor accounts.	NIST CSF PR.AC-7, CIS Control 6.5	Enforce MFA for administrative accounts accessing the LMS.	
Just-in-time (JIT) privileged access.	CIS Control 6.3, ISO 27001 A.9.2	Use temporary elevated privileges for admin tasks, reducing attack surface.	
Data Security	AES-256 encryption for data at rest and TLS 1.3 for data in transit.	NIST CSF PR.DS-1, CIS Control 13, ISO 27001 A.10	All user data, including credentialing records, encrypted in storage and during transmission.
Encrypted backups stored in a separate AWS/GCP region.	NIST CSF PR.DS-5, ISO 27001 A.12.3	Implement automated backup solutions to enable rapid disaster recovery.	
Threat Detection & Incident Response	24/7 security monitoring using Al-driven threat detection.	NIST CSF DE.AE-2, CIS Control 8, ISO 27001 A.16	Use CrowdStrike and Rootkit Defense continuous mitigation
Security Information & Event Management (SIEM) logging and analysis.	NIST CSF DE.AE-1, ISO 27001 A.12.4	Centralized logging via Splunk, ELK Stack, or AWS Security Hub for rapid anomaly detection.	
Application Security	Secure SDLC with automated security scanning (SAST, DAST).	NIST CSF PR. IP-12, CIS Control 18, ISO 27001 A.14	Integrate CI/CD pipeline to detect vulnerabilities before deployment.
Web Application Firewall (WAF) against OWASP Top 10 threats.  NIST CSF PR. IP-1, CIS Control 10, ISO 27001 A.13		Enable AWS WAF, Google Cloud Armor, or Cloudflare WAF to block SQLi, XSS, and API abuse.	
Cloud Security  Identity & Access  Management (IAM) with least privilege policies.		NIST CSF PR.AC-6, CIS Control 5, ISO 27001 A.9.2	Use WIZ for AWS cloud posture and Rootkit Defense for realtime monitoring.

Secure container orchestration	NIST CSF PR.AC-5, CIS Control 14, ISO 27001 A.14	Amazon ECR image scanning, AWS Inspector for vulnerability management.	
Business Continuity & Resilience	Automated failover and disaster recovery in multi-region cloud deployment.	NIST CSF RS.RP-1, ISO 27001 A.17.1	Deploy redundant application instances in multiple AWS regions to prevent downtime.
Ransomware protection via immutable backups and airgapped storage.	NIST CSF PR.DS-5, CIS Control 13.7	Use AWS Backup Vault Lock to prevent backup tampering.	

## 2.2 Software Product Development Process

Venturit's agile and iterative product development process ensures the final LMS aligns with instructional design best practices, technology trends, and stakeholder expectations.

## Stage 1: Discovery and Design

## 1. Stakeholder Engagement

- Detailed workshops with notary experts, credentialing professionals, and administrative staff to document requirements and current pain points.
- Collaboration with accessibility consultants to identify barriers and refine compliance strategies.

## 2. User-Centric Design

- Development of learner personas (e.g., first-time applicants, renewals, CE participants) to guide platform personalization.
- Creation of high-fidelity prototypes incorporating adaptive navigation and immersive multimedia.

#### 3. Scalable Technical Framework

- Architectural design for high availability, incorporating serverless cloud technologies to handle varying user loads.
- Use of APIs to integrate seamlessly with existing state systems (e.g., record verification, credential issuance).

## Stage 2: Iterative Development

- Agile sprints to deliver incremental value, such as an early-access prototype with core features for pilot testing.
- Rigorous testing cycles, including usability testing by actual learners, to validate functionality and ease of use.

## Stage 3: Deployment and Continuous Improvement

- Phased rollout to ensure smooth adoption, with training modules for administrators and instructors.
- Post-launch analytics to monitor engagement, identify bottlenecks, and iterate for improvement.

## 2.3 Software Architecture

Venturit proposes a scalable, intelligent, and secure software architecture enhanced by Al-driven capabilities, including an AI Instructor powered by Google LLM. This integration ensures learners receive personalized, context-aware support and allows instructors to deliver more effective and engaging education.

#### Application Layers

The LMS architecture is designed to integrate Al-powered tools across its layers, creating a seamless and dynamic user experience:

#### 1. Front-End Application

Technologies: React for responsive, intuitive, and accessible user interfaces.

#### Responsibilities:

- Provide learners with interactive dashboards that display courses, lessons, Al-generated insights, study suggestions, and real-time feedback.
- Enable Al-driven features such as contextual prompts that guide learners through complex concepts and dynamically adapt to their performance.
- Ensure compliance with WCAG standards with features like screen reader compatibility, dynamic font resizing, and high-contrast options.

## 2. Programming Interface (API)

Technologies: GoLang and Python for scalable and secure API operations.

## Responsibilities:

- Facilitate communication between the content management system, the Al Instructor, and the learner profiles.
- Handle real-time requests for Al-generated responses, personalized learning paths, and interactive content.
- Ensure secure data handling and efficient processing of learner queries.

#### 3. Common Service Layers

#### Components:

- Al Processing and Integration: Use cloud-based APIs (e.g., Google Cloud Al services) for natural language processing (NLP), adaptive learning recommendations, and predictive analytics.
- Personalization Engine: Leverage AI models to customize content based on learners' performance, preferences, and interaction history.
- Data Storage: Use secure cloud solutions (AWS S3) for learner data, Al-generated materials, and multimedia content.

## Responsibilities:

- Manage user profiles and learning history for Al-driven personalization.
- Provide real-time adaptive content delivery based on AI Instructor recommendations.

#### AI-Powered Features: AI Instructor

The AI Instructor enhances the LMS's instructional capabilities by acting as a virtual teaching assistant available 24/7. Key features include:

#### 1. Personalized Learning Paths

- The AI Instructor uses LLM capabilities to analyze learner performance and recommend tailored study plans, resources, and practice activities.
- Adaptive pacing adjusts content difficulty to match learner progress and confidence.

## 2. Dynamic Content Delivery

• The AI Instructor generates supplemental explanations, examples, or clarifications ondemand based on learner queries or flagged areas of difficulty.

 Content is dynamically adapted to different learner personas, from beginners to advanced users.

#### 3. Interactive Q&A

- Learners can interact with the AI Instructor using natural language to ask questions, clarify doubts, or explore related topics.
- The AI provides context-aware answers and links to additional resources within the LMS, fostering deeper understanding.

## 2.4 Project Management

Venturit employs agile methodologies to manage projects efficiently, ensuring adaptability and continuous improvement. Our project team consists of highly experienced professionals, each with at least three years of expertise in their respective fields. To align with SOS Indiana's preferences, we will utilize Microsoft Azure DevOps (ADO) for project management, tracking user stories, features, and tasks to ensure seamless collaboration and delivery.

## Proposed Project Team Structure

Venturit proposes the following team structure and time allocation for the development of the Notary Credentialing LMS using Wizdn framework. This team brings together experts in software engineering, instructional design, and accessibility to deliver a robust, scalable, and user-centric platform.

## Instructional Designer [1]

Role: Designs and reviews educational content, ensuring it aligns with instructional best practices.

#### Responsibilities:

- Developing course structures that use frameworks like ADDIE and Bloom's Taxonomy.
- Incorporating multimedia, scenarios, and case studies to create engaging learning experiences.
- Ensuring compliance with adult learning principles and accessibility standards.

## Chief Software Architect [1]

Role: Designs the system architecture to ensure scalability, reliability, and seamless integration with other systems.

## Responsibilities:

- Defining technical standards and system architecture.
- Overseeing integration of advanced features such as AI personalization and WCAG compliance tools.
- Ensuring the platform remains modular for future expansions.

## Venturit Internal Project Manager [1]

Role: Oversees the project timeline, manages resources, and ensures that the development aligns with the goals of the Indiana Secretary of State.

## Responsibilities:

- Tracking project progress, managing risks, and ensuring timely delivery.
- Coordinating communication between technical, instructional, and administrative teams.
- Managing iterative feedback cycles during development and post-launch.

#### Engineering Manager [1]

Role: Leads the engineering team, ensuring technical excellence across all development phases.

## Responsibilities:

- Supervising the development of scalable and accessible platform components.
- Mentoring engineers in implementing modern practices such as microservices and API integration.
- Ensuring robust cybersecurity measures throughout the project lifecycle.

## DevOps Engineer [1]

Role: Manages cloud infrastructure and automates deployment processes for seamless delivery.

#### Responsibilities:

- Setting up CI/CD pipelines to support rapid feature deployment and testing.
- Monitoring system performance and optimizing cloud infrastructure for cost efficiency.
- Ensuring 24/7 cybersecurity monitoring to safeguard sensitive learner data.

## Back-End Developers [2]

Role: Specializes in developing and maintaining robust server-side functionalities.

#### Responsibilities:

- Implementing scalable APIs and database integrations to manage user data and credentialing workflows.
- Ensuring compliance with WCAG standards in back-end processes such as document generation and data storage.
- Supporting Al-driven analytics and personalization algorithms.

## Front-End Developers [2]

Role: Skilled in creating user-friendly interfaces that seamlessly integrate with back-end systems.

## Responsibilities:

- Developing responsive web interfaces using frameworks like React to enhance user experience.
- Implementing accessibility features such as keyboard navigation and high-contrast
- Optimizing user interfaces for cross-device compatibility.

## Quality Assurance Engineers [2]

Role: Ensures the software is reliable, accessible, and performs as intended.

## Responsibilities:

- Developing and executing automated and manual test cases for functionality and accessibility.
- Performing usability testing with diverse user groups to refine platform inclusivity.
- Collaborating with instructional designers to validate content delivery and course structure.

#### Product UX Designer [1]

Role: Ensures the user interface design is intuitive and learner focused.

#### Responsibilities:

Conducting user research to identify learner needs and preferences.

- Designing high-fidelity prototypes with features tailored to different learner personas.
- Collaborating with instructional designers to align UX with pedagogical goals.

## 3D Designer [1]

Role: Develop interactive and visually engaging 3D content to enhance educational resources.

## Responsibilities:

- Creating animations and simulations for practical skill-building scenarios.
- Developing interactive elements to increase learner engagement in CE courses.
- Designing modular 3D assets for use across different credentialing programs.

## Value Proposition of the Proposed Team

- The combined expertise of this team ensures the delivery of a world-class LMS that:
- Embed instructional best practices to achieve measurable learner outcomes.
- Incorporates cutting-edge technology to enhance personalization, scalability, and accessibility.
- Provides a seamless user experience for learners, instructors, and administrators alike.

## 3. Proposed Delivery Timeline

Phase	Timeline	Key Activities
Phase I: Requirements Gathering & Prototyping	Months 1-2	Stakeholder interviews, learner personas, and technical requirements.
,,,,,,,		Develop interactive prototype to validate UX, accessibility, and workflows.
Phase II: Core Development & Al Integration	Months 2-4	Develop core LMS functionalities, including role-based access, WCAG accessibility, Alpowered learning paths, and adaptive assessments.
		Begin pilot testing with select notary users and gather feedback.
Phase III: MVP Deployment & Training	Months 5–7	Deploy MVP LMS with key modules live (notary credentialing, learner tracking, Aldriven guidance).
		Provide comprehensive training for staff, instructors, and administrators.
		Implement continuous monitoring with RD & security enhancements
Phase IV: Expanded Feature Rollout & Optimization	Months 8–11	Introduce instructor dashboards & admin tools (initially using super admin role in MVP).
		Deploy training materials, self-help guides, and knowledge base for support staff & learners.
Phase V: Full Deployment & Continuous Improvement	Months 12+	Final optimizations based on analytics & user feedback.
		Plan for future expansion to additional credentialing programs.

## 4. Budget

#### Detailed Breakdown

Item	Estimated Cost (\$)	Description
Wizdn LMS Customization	\$150,000.00	Customizing Wizdn LMS to meet SOS Notary Commission Training Course requirements and support additional credentialing programs.
Instructional Design Overhaul	\$85,000.00	Development of competency-based curricula, multimedia-rich content, and alignment with credentialing standards (e.g., ADDIE, Bloom's Taxonomy).
Al & Analytics Tools	\$90,000.00	Training Al-powered virtual instructors, integrating adaptive learning models, predictive analytics, and instructor dashboards.
Annual Maintenance & Upgrades	\$96,000.00	Ongoing support, security updates, AI model enhancements, and cloud infrastructure monitoring (\$8,000/month).

A 25% initial payment is required at project execution. Subsequent invoices will be issued upon completion of each major project phase as follows:

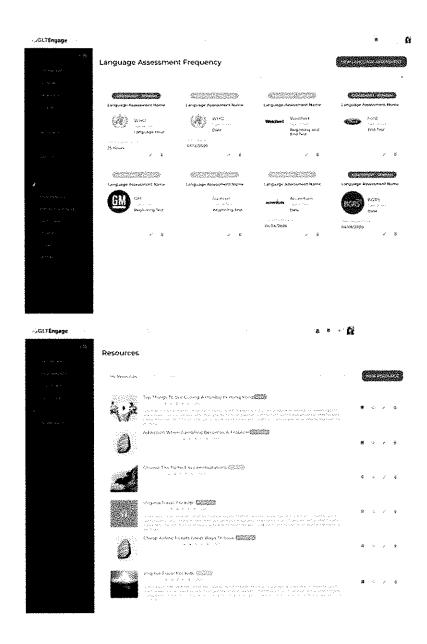


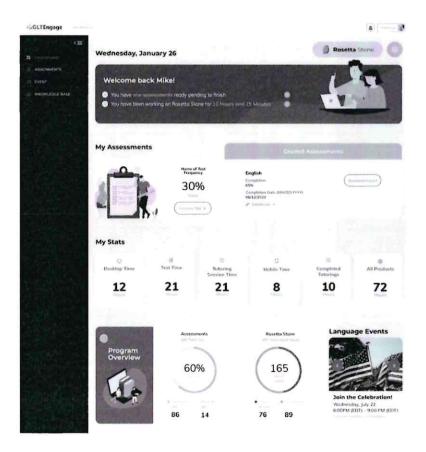
## 5. LMS Portfolio of Expertise

## Case Study: GlobalLT

- Challenge: Modernizing a fragmented language-learning LMS to enhance learner engagement and streamline content delivery.
- Solution: Implemented an ADDIE-driven course development framework, integrating Alpowered personalization and adaptive learning tools such as Rosetta Stone. This approach improved learner retention, provided tailored learning experiences, and ensured scalability for diverse language learners.

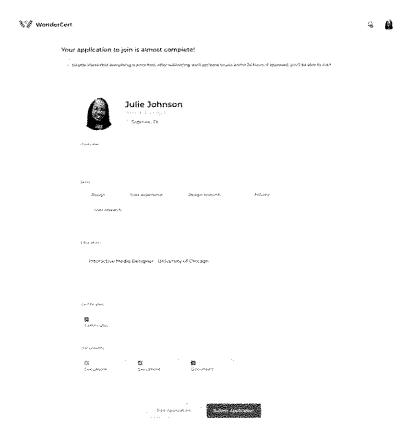
## Venturit Inc.



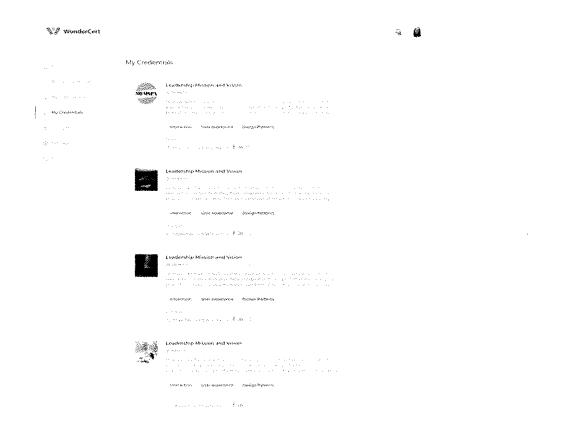


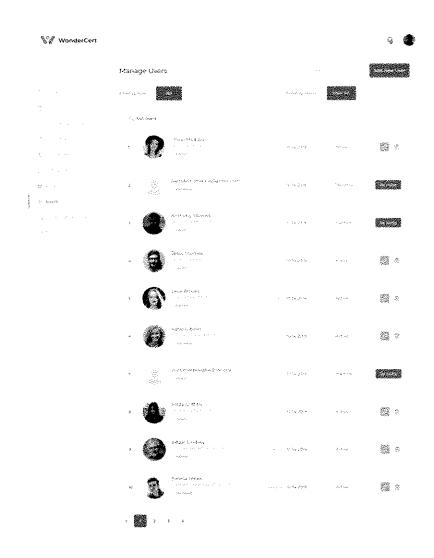
## Case Study: Wondercert - Michigan Virtual

- Challenge: Low accessibility and engagement in online professional development courses, limiting learner interaction and completion rates.
- Solution: Developed Wondercert, a WCAG-compliant self-paced microlearning LMS designed for maximum accessibility. The platform integrates instructor dashboards with real-time analytics, enabling data-driven decision-making and personalized feedback to enhance learner engagement.



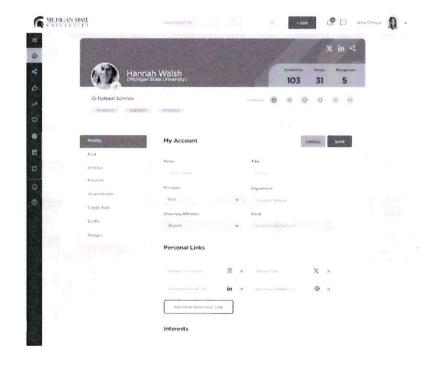
## Venturit Inc.





## Case Study: iTeach MSU

- Challenge: Lack of a robust digital infrastructure to disseminate evolving teaching methodologies and instructional design best practices to educators.
- Solution: iTeach, an educator-focused LMS structured around microlearning pathways, ensuring modular, easily digestible content. Integrated feedback loops and interactive assessments to reinforce instructional design principles and enhance course development capabilities for educators.





## 6. Change Control Management

Effective change control management is crucial for ensuring that any modifications to the project scope, schedule, or resources are systematically evaluated, approved, and implemented. Venturit follows a structured change control process to manage and document all changes throughout the development lifecycle of the application.

## **Change Control Process:**

## 1. Change Request Submission:

- Activities: Any stakeholder or team member can submit a change request. This request must include a detailed description of the proposed change, the reason for the change, and the expected impact on the project.
- Tools: Change requests are submitted through a designated change control form in the ADO management tool.

## 2. Change Request Evaluation:

- Activities: The project manager, along with relevant team members, will review the change request to evaluate its feasibility, benefits, and potential impacts on the project.
- Criteria: Evaluation criteria include alignment with project goals, impact on scope, schedule, and budget, as well as resource availability and technical feasibility.

#### 3. Impact Analysis:

- Activities: A detailed impact analysis is conducted to assess the implications of the proposed change on the project's timeline, costs, and resources. This includes identifying any risks or dependencies associated with the change.
- Deliverables: An impact analysis report is generated, outlining the potential effects on the project.

## 4. Change Request Approval:

- Activities: The change request and impact analysis report are presented to the project steering committee or designated decision-makers for approval.
- Decision: The change request can be approved, rejected, or deferred based on the evaluation and impact analysis.

## 5. Change Implementation Planning:

- Activities: If approved, a change implementation plan is developed, detailing the steps required to incorporate the change into the project. This includes updating project documentation, schedules, and resource allocations.
- Responsibilities: The project manager coordinates with relevant team members to ensure the change is implemented smoothly and efficiently.

## 6. Change Implementation:

- Activities: The approved change is implemented according to the change implementation plan. This may involve updates to the project scope, design, development, testing, and deployment phases.
- Monitoring: The project manager monitors the implementation process to ensure compliance with the plan and to address any issues that arise.

## 7. Post-Implementation Review:

- Activities: A post-implementation review is conducted to evaluate the effectiveness of the change and its impact on the project. This includes gathering feedback from stakeholders and team members.
- Deliverables: A post-implementation review report is generated, documenting the outcomes and lessons learned.

## Benefits of Change Control Management:

- Controlled Change Implementation: Ensures that all changes are systematically evaluated and implemented, minimizing disruptions to the project.
- Improved Communication: Facilitates clear communication among stakeholders and team members regarding changes and their impacts.
- Risk Mitigation: Identifies and addresses potential risks associated with changes, reducing the likelihood of negative impacts on the project.
- Documentation and Accountability: Maintains a detailed record of all change requests, decisions, and implementations, ensuring accountability and transparency.

## Example Change Control Form:

An example change control form may include the following fields:

Change Request ID: Date of Submission: Submitted By: Description of Change: Reason for Change: Impact Analysis Summary: Approval Status (Approved/Rejected/Deferred): Implementation Plan Summary: Post-Implementation Review Summary:

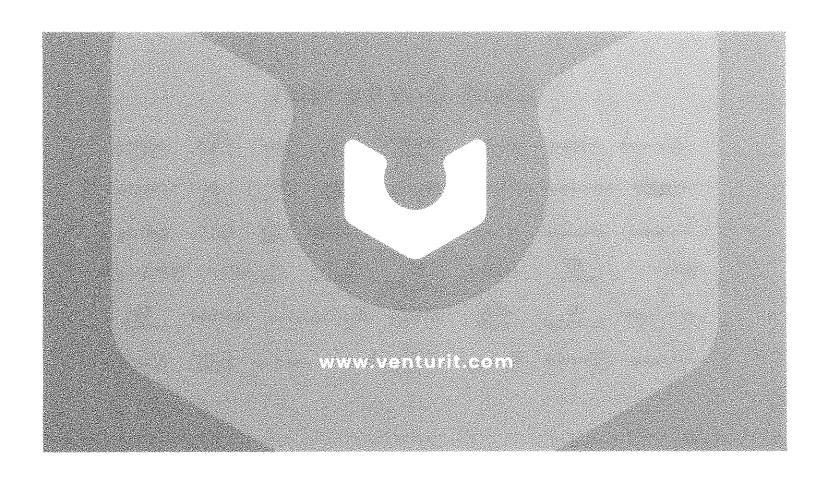
By adhering to this structured change control management process, Venturit ensures that any modifications to the application are thoroughly evaluated and effectively managed, leading to a successful and adaptable project outcome.

#### 7. Terms and Conditions

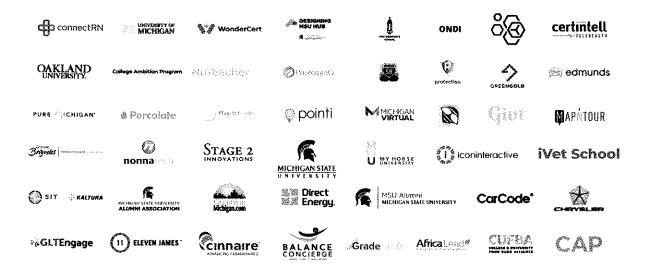
- 1.Scope of Work: Venturit Inc. will provide services as outlined in this proposal. Any additional work outside the agreed scope will require a new agreement and may incur additional costs.
- 2. Payment Terms: Payment terms will be based on milestones agreed upon by both parties. Payment will be on a time and materials basis and an annual support maintenance fee with a minimum three-year commitment.
- 3. Confidentiality: Both parties agree to keep all information exchanged during the project confidential and will not disclose any information to third parties without prior written consent.
- 4. Intellectual Property: All intellectual property developed during the project will be owned by the Indiana Secretary of State, with Venturit Inc. retaining the right to use the developed solutions for demonstration and marketing purposes.
- 5. Termination: Either party may terminate this agreement with 30 days written notice. In the event of termination, Venturit Inc. will be compensated for all work completed up to the date of termination.
- 6. Warranty: Venturit Inc. warrants that all work will be performed in a professional manner and will comply with the agreed-upon specifications. Any defects or issues arising within 90 days of project completion will be addressed by Venturit Inc. at no additional cost.
- 7. Liability: Venturit Inc. will not be liable for any indirect, incidental, or consequential damages arising from the use or inability to use the application. Venturit's total liability will not exceed the total fees paid by the Indiana Secretary of State for the services provided.
- 8. Dispute Resolution: Any disputes arising from this agreement will be resolved through mediation. If mediation fails, the dispute will be resolved through binding arbitration in accordance with the rules of the American Arbitration Association.
- 9. Governing Law: This agreement will be governed by and construed in accordance with the laws of the State of Indiana.
- 10. Amendments: Any amendments to this agreement must be made in writing and signed by both parties.

# Appendix

## **Introduction Venturit and Portfolio**



# Clients Over the Years



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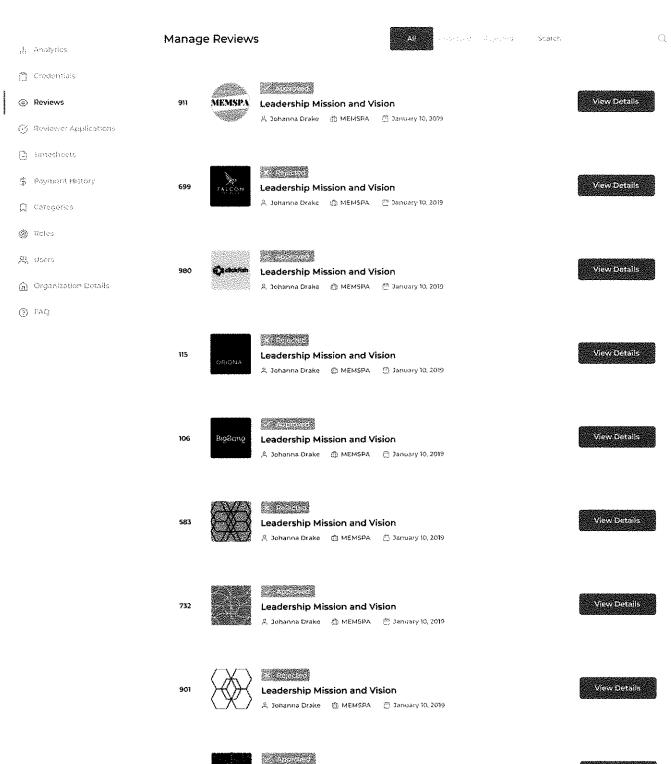




# Clents Projects Showcase









Leadership Mission and Vision

A Johanna Drake 🕒 MEMSPA 💛 January 10, 2019

View Details

View Details







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Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy loster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace.

Interaction	User-experience	Design Patterns	
Share on:			



#### Leadership Mission and Vision

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(II) MEMSPA 🗎 January 10, 2019 📋 Expired on: January 10, 202

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace.

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#### Leadership Mission and Vision

MEMSPA ☐ January 10, 2019 ☐ Expired on: January 10, 2021

Leverage agile frameworks to provide a robust synopsis for high level overviews, Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace.

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#### Leadership Mission and Vision

MEMSPA ☐ January 10, 2019 ☐ Expired on: January 10, 2021

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace.

Interaction	User-experience	Design Patterns
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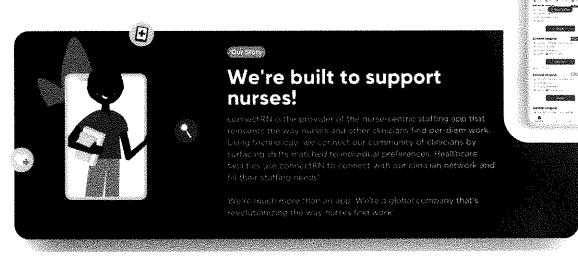


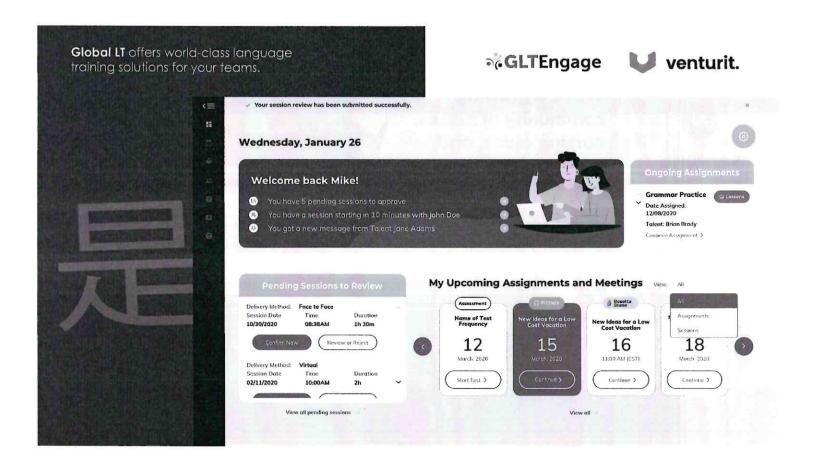


We're a growing community of nurses, nursing aides, and assistants







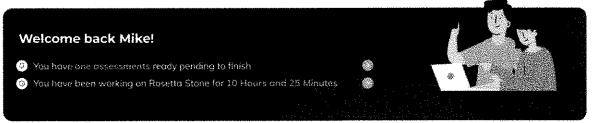






#### Wednesday, January 26





#### My Assessments



Name of Test Frequency

30% Status

Continue Tast 🕽

#### English

Completion 65%

Completion Date (MM/DD/YYYY) 06/12/2020

∂ Certificate →

Dewnload Report

#### **My Stats**

 $\Box$ Desktop Time 12 Hours

**Test Time** 

21

(3) Tutoring Session Time

21 Hours

0 Mobile Time

> 8 House

C Completed

Tutorings 10

Hours

All Products

**72** 



Assessments 100 Total Oby



# Completed 86

14

Rosetta Stone 165 Fatel Class Nows



 Hazmey 泰 Faundations Guidale:

76 89

#### **Language Events**



Join the Celebration! Wednesday, July 22 8:00PM (EDT) - 9:00 PM (EDT)





DASHBOARD CALENDAR SESSIONS

CLASS HISTORY

FAMILY MEMBERS



Bernice Edwards









Start Date March, 12, 2019 Completion Deadline May, 21, 2019

Next Class April, 22, 2019

Completed Time 75%

Total Units 120

Completed Units 90

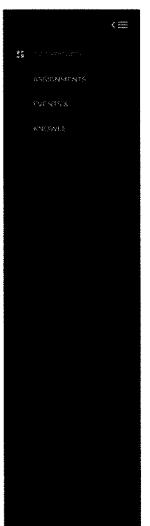
Available Units 30

#### Session Record

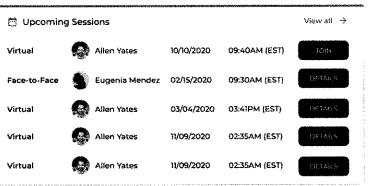
Session * Number	Date *	Start Time -	Duration *	Delivery Method *	Global Evaluation
102938	04/18/2019	11:30 AM	2 Hours	Face To Face	2 4 4 4 8
102938	04/09/2019	7:00 AM	2 Hours	Face To Face	
102472	04/02/2019	6:00 PM	1 Hour	Face To Face	
120476	04/01/2019	11:00 AM	2 Hours	Face To Face	4.4.4.4.4
123762	03/29/2019	8:30 AM	2 Hours	Face To Face	
102476	03/16/2019	12:00 PM	1 Hour	Face To Face	***
102846	03/07/2019	7:00 PM	1 Hour	Face To Face	4.4.5.5
102462	02/20/2019	8:30 PM	1 Hour	Face To Face	4.0.0.0
123962	02/06/2019	12:00 PM	2 Hours	Face To Face	+ 4 + 4 +



Launch Rosetta Stone

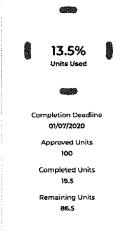


#### DASHBOARD

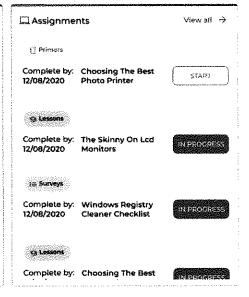








① Program Information ③



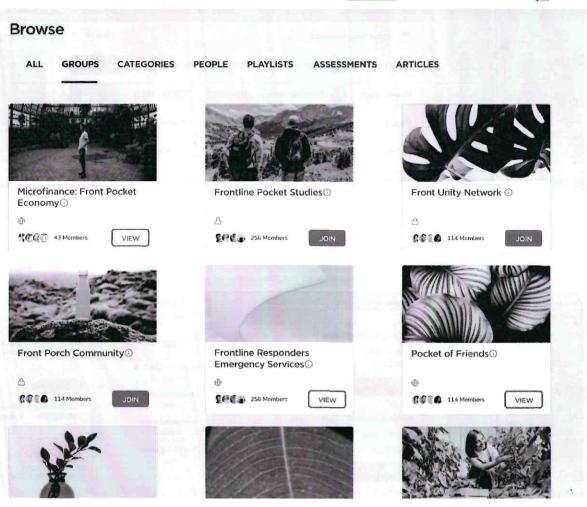










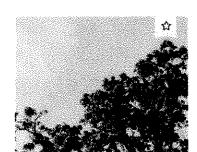


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MICHIGAN STATE

e Back







is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

+ view more



Posted by: Amy Ortega 

Estimated time: 60 mins

#### **Playlist Sections**

Social Media and Communication

Facebook Listeners

Make an Impression

What you can do

Key Words

TECHNOLOGY EDUCATEN : 43

्र Tags

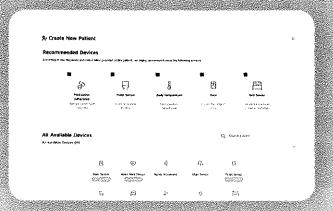
SEARINING EDUCATION DEAS

#### Description

There is something about parenthood that gives us a sense of history and a deeply rooted desire to send on into the next generation the great things we have discovered about life. And part of that is the desire to in still in our children the love of science, of learning and particularly the love of nature.

✓ How To Set Intentions That Energize You

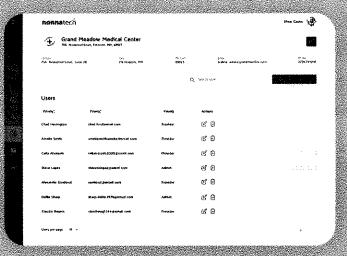
- 🗎 When You Are Down And Out How Do You Get Up And Go Forward
- The Power Of Notes
- **B** Burning Desire Golden Key Or Red Herring







Nonnatech's patented solutions focus on patient safety, improving health outcomes and creating an exceptional patient care experience.











(i) Please select employee name and active template to begin a new session.

#### Select template from list

September 1	3000	Condi	Sourt Mostry a You	(CALSIO)	0.00
Yearly Check-in	One-pk-One	06/18/2021	05/16/2021	Havey Marrison	ACTIVI
90 Gay Evaluation	Hoursking	67/15/3957	921(61305)	Carles Schulez	ACTIVI
Employae Rounding	Routeling	11/14/2021	11/14/2021	Olic Watson	actro
Monthly Check-in	One-un-One	10/14/7073	(0,111,303.1	Lure Park	MODAL
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New Employee Kick-off	One-en-One	11/14/2021	17/14/2021	Sora PORce	46.07A
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Simplify and modernize your HR talent management processes.





#### Key Features and Functionality

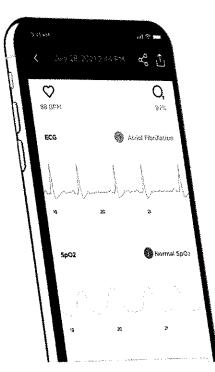
With KlickHR's case of use, you can easily and effectively gather employee feedback, identify what's working well and what is not while capturing trends throughout the organisation

#### Capabilities include:

- Track manager and employee feedback in feat time.
- · Sues and track emperium guals to wigh with strategic objections.

# Our Subsidiaries

### \_ ∕vidhrt



#### Avidhrt Features

- Affordable and easy to use.
- Clinical grade multi-channel vital monitor.
- Al-driven ECG arrhythmia detection.
- · Risk alerts.
- · On-demand clinician reviews.
- Al powered cuffless BP Hypertension detection.



Avidhrt Sense Hand-held



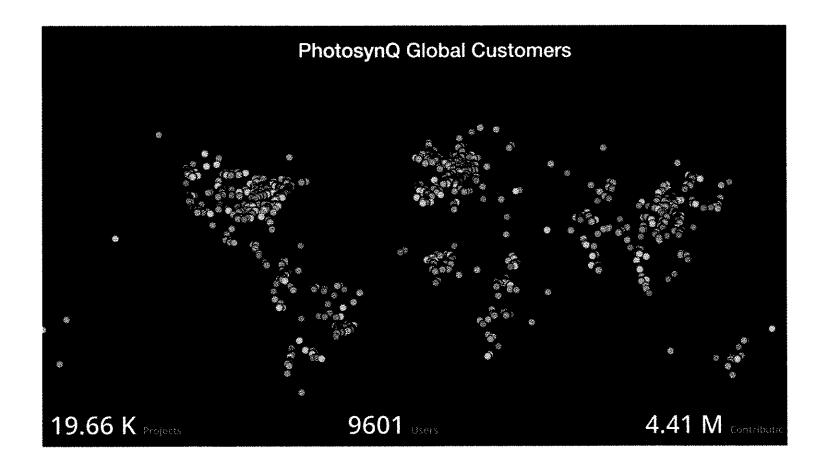
Avidhrt Extreme Patch



#### The World-leading Plant Phenotyping Platform











## Product Development Process





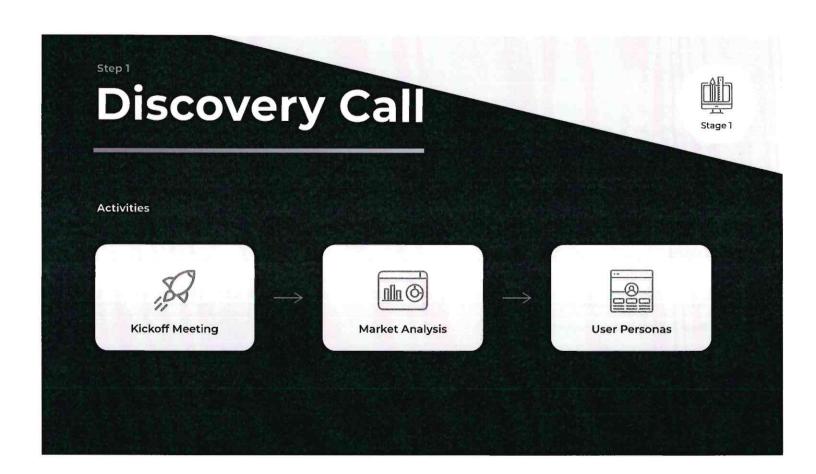
# **Design Stage**

Applies for new applications or new features for an exciting application.

#### **Steps**

- Step 1 Discovery Call
- Step 2 Technical Discovery
- Step 3 User Experience Design
- Step 4 User Interface Design
- Step 5 Clickable Prototype





# **Technical Discovery**



#### **Activities**



Cloud infrastructure servers, databases, and services recommendations



Testing and test coverage recommendations



Development tools, monitoring, and analytics tools recommendations



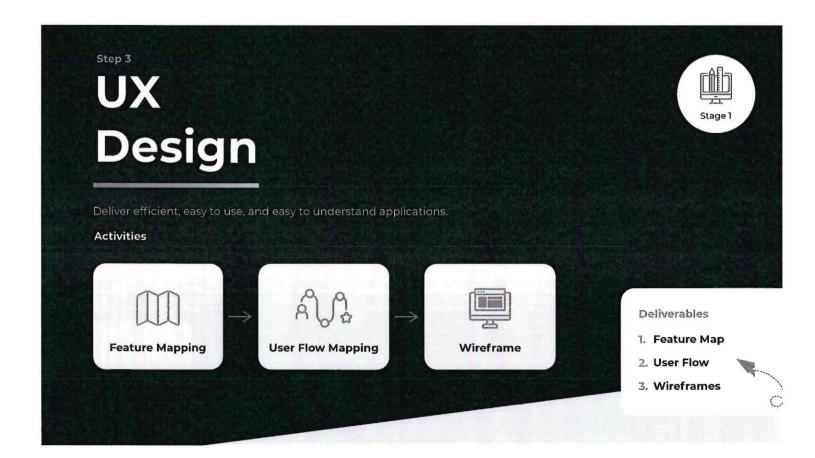
Technology stack for Web, Mobile, Desktop, etc.



Design software architecture using design patterns, such as MVC, to separate front-end, back-end, and business logic. Apply micro-services as needed.

#### Deliverables

1. Technical Discovery Document



# UI Design



Visual designs using user experience design deliverables.

X

**Style Concepts** 

૰ઌૣૺ

Atomic Design or Material Design System Deliverables

 Design System with high-fidelity designs

# Clickable Prototype



Design System turned into a prototype using invision or figma.



Screen design and user flow mapping

**Deliverables** 

 Figma Project and Prototype





# e.g. Design Stage

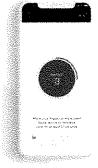
#### **User Persona Example**

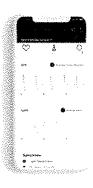


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#### **Clickable Prototype Example**







# Stakeholders Meeting & Review



Ensure a comprehensive understanding and approval of all project aspects before initiating development.

#### **Activities**



Reviewing the personas and stories



Reviewing the technical discovery document





Reviewing the design systems

#### Deliverables

 High-level Sign-off document.





# **Develop Stage**

Our agile approach:

#### **Steps**

Step 1 Pre-development planning

Step 2 Iterative development, testing, and UAT deployment

Step 3 Product Launch



# Pre-development Planning



Forming teams, milestones, stories, backlog, and sprint plan

#### **Activities**



Frontend & Backend Teams assembly



Creating stories (assign as tasks for developers and QA in sprint planning)



Planning sprints



Building project roadmap and milestones



**Grooming stories** 

#### Deliverables

 Jira project with a roadmap, sprint plan and threat mitigation model deliverables

## Iterative development, testing, and UAT deployment



#### **Activities**



Two weeks sprint, unit or behavior test-driven coding, linting, code review and quality assurance, and continuous integration



Version releases

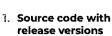


Sprint retrospective



Launch to staging for UAT and beta testers

#### Deliverables



2. Automated and Manual test coverage, functional, regression, and load testing



### **Product Launch**



Activities







Client acceptance



Production release on Web Production release on App Store and Play Store (if applicable)



Social media and marketing

#### Deliverables

- 1. App store releases
- 2. Web app
- 3. Social media performance analytics and promotional assets, animations, videos, etc

# **Maintenance Stage**



Support, monitoring, finetuning and follow up social media marketing campgains

#### Activities



Bug reports management and timely fixing



Update library version



Follow up social media marketing and campaigns

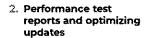


Performance optimization

② 24/7 Managed Cybersecurity Monitoring (NIST CSF 2.0 Compliance)

#### Deliverables





3. Social media performance analytics and promotional assets, animations, videos, etc

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