



LEARNOVA++

LEARNOVA++

BUSINESS PORTFOLIO

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Empowering Learning Through Technology

Discover how LEARNOVA is revolutionizing education with innovative digital solutions that make learning more accessible, interactive, and effective for everyone.



ino-mara.learnovaplus.com



LEARNOVA++

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WHAT'S

02

FROM THE FOUNDER

04

INTRODUCTION

08

BUSINESS OVERVIEW

10

PROBLEM
STATEMENT CANVAS

11

SMARTER THROUGH
TECHNOLOGY

15

USER MANUAL

23 Admin Portal

61 Faculty Portal

92 Student Portal

103

MARKET SIZING

104

LEAN CANVAS

106

QUESTIONS THAT
MATTER

122

INSIGHTS FROM THE FIELD

131

FUNDING PLAN

132

FUNDING UTILIZATION
STRATEGIES

133

FINANCIAL PLANNING AND
FORECASTING

134 Sales Forecast, Cash Flow,
Salaries

135 Balance Sheet, Break-Even
Analysis, COGS Calculator



INSIDE?

FROM THE FOUNDER



At LEARNOVA, our vision is to transform the way learning is delivered through innovative digital solutions. As a technology-focused team, we recognize the growing demand for more efficient, accessible, and engaging Learning Management Systems (LMS) in today's digital world.

LEARNOVA is committed to developing platforms that make education more organized, interactive, and user-friendly. We aim to bridge the gap between learners and educators by providing smart and practical technology-driven solutions.

Beyond a single project, LEARNOVA represents our continuous pursuit of innovation in educational technology. We strive to grow as a team that delivers impactful systems built on collaboration, creativity, and real-world problem-solving.

We look forward to contributing meaningful advancements in the field of digital learning.

Babylyn P. Barte

LEARNOVA GENERAL MANAGER



Canva



INTRODUCTION

BUSINESS NAME, LOGO, AND TAGLINE

LEARNOVA

- “Learn” represents structured and meaningful learning experiences through an organized LMS platform.
- “Nova” comes from the Latin meaning “new” or “star,” symbolizing growth, discovery, and academic innovation.

Core Identity

LEARNOVA focuses on building smart and practical educational systems that support both learners and educators through technology.

Concept

LEARNOVA represents continuous innovation in educational technology, aiming to create impactful and user-friendly learning systems for the digital age.

Tagline

“Find the Gap, Build the Map”



LEARNOVA++



LEARNOVA++

Precise analysis of each student's academic standing, identifying weaknesses and recognizing strengths.

A centralized hub for academic resources and knowledge management.

The AI engine of LEARNOVA++ that detects learning gaps, personalizes interventions, and guides learners and teachers along the proficiency path.

LEARNOVA++

LMS with AI-Driven Insights

Displayed in bold gold uppercase with a “++” suffix, it reflects both programming culture and an advanced LMS experience, with a lighter tagline reinforcing its purpose.



Color Palette

- Dark Cyan - #024042
- Dark Turquoise - #102a26
- Dark Green - #024821
- Pastel Gray Yellow - #e8e4af

MEET THE TEAM

BEHIND LEARNOVA++

TEAM COMPOSITION



GENERAL MANAGER & LEAD PROGRAMMER

BABYLYN P. BARTE

As the General Manager and Lead Programmer, Babylyn P. Barte oversees the project's direction while leading the technical development of LEARNOVA++. She is responsible for transforming ideas into functional system features, ensuring that the platform operates efficiently, securely, and according to the team's vision. She also manages the overall workflow of the project, coordinates team responsibilities, and ensures that every development phase aligns with the objectives of the system.

Her role involves planning system features, analyzing project requirements, designing technical solutions, and guiding the

team in implementing the core functions of LEARNOVA++. As the lead programmer, she takes charge of developing and refining key system components, troubleshooting technical issues, and maintaining the quality and reliability of the platform.

Through her leadership, technical skills, and commitment to the project, she helps ensure that LEARNOVA++ becomes a well-structured, user-friendly, and effective learning support system that addresses students' needs through AI-based learning data, weakness analysis, and proficiency insights.

RESEARCH DEVELOPMENT OFFICER & TECHNICAL WRITER

JANNA MAE G. BOITIZON

Janna Mae G. Boitizon plays a vital role in the research and documentation of the project. From gathering relevant information to preparing technical documents and reports, she ensures that every aspect of LEARNOVA++ is supported by thorough research, clear communication, and well-structured documentation.

As the Research Development Officer and Technical Writer, she helps strengthen the foundation of LEARNOVA++ by providing reliable references, detailed explanations, and properly prepared documents needed throughout the project. Her work supports the team in presenting the system clearly and professionally, making sure that the project's objectives, methodology, and technical details are well-documented and easy to understand.



MEET THE TEAM

BEHIND LEARNOVA++

TEAM COMPOSITION



OPERATIONS OFFICER & SYSTEM ANALYST

KHENT ZYRELLE M. ROXAS

Khent Zyrelle M. Roxas manages operational planning and system analysis for the project. By evaluating user requirements, monitoring workflows, and assessing system processes, he helps ensure that LEARNOVA++ remains organized, effective, and aligned with the needs of its intended users.

FINANCE OFFICER & UI/UX DESIGNER

ALTHEA NICOLE J. ZOLETA

Combining creativity with strategic planning, Althea Nicole J. Zoleta oversees financial management while designing the platform's user interface and user experience. Her work helps ensure that LEARNOVA++ is not only financially sustainable but also visually appealing, intuitive, and easy to navigate for users.

Through her creativity, attention to detail, and financial awareness, she helps strengthen both the visual quality and practical foundation of LEARNOVA++. Her role supports the development of an AI-assisted learning platform that is not only effective in analyzing student performance and learning weaknesses but also easy, comfortable, and meaningful for users to experience.



WHAT MAKES US A GOOD TEAM TO BUILD THE BUSINESS WE CHOOSE?

LEARNOVA++ is constructed by a four-person team covering general management, finance, operations, and research and development, ensuring all key areas of the business and system are properly handled.

As general manager and lead programmer, Babylyn Barte provides strategic and technical leadership, aligning business decisions with system capabilities. Althea Zoleta's roles in finance support cost control and sustainability in a freemium model. Janna Boitizon's research and development work aligns system features with academic literature and user needs, while Khent Roxas ensures organized development, testing, and pilot implementation at IMINHS.

As BS Information Technology students specializing in Mobile and Web Applications, the team's strength is full-stack technical proficiency, while limited business experience is addressed through research, adviser guidance, and institutional needs.

ORGANIZATIONAL STRUCTURE



Babylyn P. Barte
General Manager



Althea Nicole J. Zoleta
Finance Officer



Khent Zyrelle M. Roxas
Operations Officer



Janna Mae G. Boitizon
Research Development Officer



Babylyn P. Barte
Lead Developer



Althea Nicole J. Zoleta
UI/UX Designer Support



Janna Mae G. Boitizon
Technical Writer



Khent Zyrelle M. Roxas
System Analyst



Mission Statement

To help schools manage and distribute learning materials through a centralized digital repository. By integrating artificial intelligence (AI), we can assist teachers in organizing academic resources and help students easily access lessons while identifying learning weaknesses to improve academic performance.

Philosophy/ Values

1. Accessible Learning for All: LEARNOVA++ is based on the idea that a high-quality education shouldn't be constrained by institutional resources or geographic location. We believe that every student, regardless of a socioeconomic background, deserves access to organized, structured, and intelligent academic support.
2. Intelligence in Service of Growth: LEARNOVA++ employs AI to pinpoint students' areas of difficulty, direct their learning, and assist teachers in making well informed instructional decisions while maintaining human oversight at the core of every academic interaction. We believe that AI should be a tool for empowerment rather than a replacement.
3. Integrity Through Accountability: LEARNOVA++ promotes a culture of trust and accountability within the school community by providing secure assessment delivery, anonymous teacher evaluation, and AI assisted submission checking. We believe that academic honesty and transparent performance monitoring are the cornerstones of meaningful learning.

Vision Statement

To help schools manage and distribute learning materials through a centralized digital repository. By integrating artificial intelligence (AI), we can assist teachers in organizing academic resources and help students easily access lessons while identifying learning weaknesses to improve academic performance.

BUSINESS OVERVIEW

Goals & Milestones

1. Develop the LEARNOVA++ system within 4-6 months that allows teachers to upload, organize, and distribute learning materials through a centralized digital repository.
2. Integrate an AI-based student performance analysis feature by the end of system development to help identify students' learning weaknesses based on their activities and academic submissions.
3. Test and evaluate the LEARNOVA++ system in at least 1 secondary school during the pilot phase to measure improvement in learning material access and teacher efficiency.

Target Market

Public school (SHS students, Faculty, and Principal)

Legal Structure / Ownership

Partnership





CONTEXT

When does the problem occur?



During Learning: When knowledge gaps first appear but go unnoticed because no system is watching.



After the fact: When patterns emerge-across a class, a grade, or a school-but no one has the data to see them until the cycle repeats next year.



PROBLEM

What is the root cause of the problem?



When there's no existing system for the client to use.



Teachers are unaware of individual student struggles in real time.



Feedback loops are too slow—weakness get caught week late.



Students don't self-report when they're falling behind.



ALTERNATIVES

What do customers do now to fix the problem?



Paper-based assessments.



Visual observation.



Spreadsheet Tracking: Teachers manually enter scores into Google sheets with color-coding to spot struggling students.



CUSTOMERS

Who has the problem most often?

Public Schools



Principal



Teachers



Students



EMOTIONAL IMPACT

How does the customer feel?



Frustrated: Teachers see students struggling with homework but cannot pinpoint the exact learning gap.



Powerless: Paying for tutors who also have to guess what the students don't understand.



ALTERNATIVE SHORTCOMINGS

What are the disadvantages of the alternatives?



Time-consuming



The system is often inefficient or dysfunctional.



No data retention: Paper records can be lost and insights disappear.



Delayed feedback: by the time results return, the students have already moved on.



No predictive power: At-risk students cannot be identified until they have already failed.



smarter
THROUGH TECHNOLOGY

THROUGH THE SCREEN:

WHAT IS 'LEARNOVA++'?



PRODUCT NAME

LEARNOVA++—A Pinnacle Proficiency-Based Academic Management System with AI-Driven Weakness Analysis, delivered as a web-based platform with a companion mobile application designed for Philippine public secondary schools.

PRODUCT SERVICE IDEA

LEARNOVA++ addresses the lack of an organized, intelligent academic management platform in public secondary schools by offering a centralized environment where students, teachers, and the school principal can manage learning resources, track academic performance, and access AI-driven academic support—all within a single role-based platform built around the Pinnacle Proficiency framework.

SPECIAL BENEFITS

1. Without having to wait for planned teacher consultations, students can receive immediate AI-driven academic support through the AI Learning Assistant, weakness analysis, and customized study plans.
2. Automated performance tracking, submission management, and the AI Assignment Checker, which assesses student work for plagiarism, grammatical errors, and AI-generated content, assists and relieves teachers of tedious administrative duties.
3. Beyond merely determining whether a student passed, the Pinnacle Proficiency framework provides teachers and the principal with a more nuanced understanding of student performance by pinpointing the precise areas in which a student is having difficulty at the LOTS or HOTS level.
4. Faculty load management, class rankings, anonymous Teacher's Evaluation results, and platform-wide academic analytics provide the school principal with thorough institutional oversight.
5. Under LEARNOVA++'s freemium model, public schools with tight budgets can access basic features for free. A premium school license is required to access advanced AI features.



FEATURED & FRAMED:

WHAT LEARNOVA++ CAN—AND CANNOT—DO

UNIQUE FEATURES

1. The Pinnacle Proficiency framework gives the AI system the granularity required to pinpoint particular learning gaps by categorizing student performance into mastery levels in line with subject competencies.
2. AI Weakness Analysis and AI Tutoring System that creates personalized study plans and finds subject-specific learning gaps using the Google Gemini API via OpenRouter.ai.
3. A faculty-facing AI assignment checker that assesses student work for grammatical mistakes, AI-style writing patterns, and plagiarism heuristics prior to official grading.
4. AI learning assistant that complies with DepEd K-12 curriculum competency standards to produce practice questions, lesson explanations, and topic summaries aligned with HOTS and LOTS.
5. Correction notes are displayed alongside AI-generated content on the student interface through a teacher's validation mechanism without interfering with student access.
6. Only the principal and assessed faculty can access the results of the Anonymous Teacher's Evaluation module, which aggregates student ratings across sections.

LIMITS AND LIABILITIES

1. The availability of the Google Gemini API and token-based pricing via OpenRouter.ai are prerequisites for advanced AI features, which also require a premium school license.
2. The system is not yet intended for widespread or extensive implementation; it is currently scoped for Senior High School (Grades 11-12) at IMNHS.
3. The accuracy of AI-generated content depends on DeepSeek API responses, and the system doesn't independently verify facts outside of structured prompt constraints.
4. Video conferencing, real-time chat, and online meeting features are not currently included in the platform's scope.
5. The mobile companion app is created and tested in Android environments; iOS compatibility will be taken into account in subsequent iterations.
6. The platform's admin-registered faculty accounts are necessary for the mentoring request process and AI recommended faculty matching.



BEHIND THE SCENES:

HOW LEARNOVA++ COMES TOGETHER

SUPPLIERS

1. Google Gemini API (Gemini 2.5 Flash and Gemini 2.5 Pro) through OpenRouter.ai: AI features such as assignment checker, learning assistant, AI tutoring, and weakness analysis.
2. MySQL: open-source relational database for centralized data storage.
3. ReactJS, Node.js, Flutter: open-source frameworks for web and mobile development.
4. Figma, Postman, Git/GitHub: design, testing, and version control tools.
5. Android Studio, Visual Studio Code: development environments.

OVERALL PRODUCT SERVICE DESCRIPTION

LEARNOVA++ is a Pinnacle Proficiency-based academic management system that transforms the way learning is delivered, managed, and supported in Philippine public secondary schools. LEARNOVA++ incorporates a centralized learning repository, AI-driven academic support, secure assessment delivery, and an anonymous Teacher's Evaluation module into a single accessible platform, in contrast to traditional LMS platforms that restrict use to content delivery and assignment submission.

The system, which is powered by the Google Gemini API via OpenRouter.ai, continuously compares student performance data to Pinnacle Proficiency mastery levels to find learning gaps at both LOTS and HOTS cognitive levels. It also creates customized study plans and helps teachers assess student submissions using an AI Assignment Checker. A teacher validation mechanism guarantees that AI generated content stays pedagogically sound by enabling faculty to leave correction notes that show up alongside AI outputs on the student interface.

LEARNOVA++, which operates on a freemium model, guarantees that basic features are still freely available to public schools with limited resources while advanced AI-driven capabilities are available through a premium school license. This makes intelligent, structured, and technologically enhanced education possible within the limitations of the Philippine public secondary school context.

