

PacePulse

Redefining Productivity, One Pulse of Progress at a Time.

Spec Status: Mentor Reviewed

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Summary

Say goodbye to inefficiencies and hello to seamless learning experiences. With PacePulse, you can effortlessly monitor your course completion, celebrate milestones, and gain insights into learning retention, ensuring every step of your educational journey is purposeful and rewarding.

Problem Background

In the wake of the COVID-19 pandemic, the landscape of education has undergone a profound transformation, with online learning spaces emerging as a vital educational tool. Even as the world has transitioned back to a semblance of normalcy, the advancements catalyzed by the pandemic endure. Online learning spaces have become integral, and widely adopted for Professional Training (45%) and in Schools (35%). The demand remains steadfast: learners expect the same level of effectiveness as traditional in-person sessions, with a pivotal emphasis on the ability to track their productivity.

Research indicates a significant challenge: 60% of users struggle with tracking multiple subjects/tasks, leading to inefficiencies and difficulties. These learners express a desire for innovative engagement methods to bolster their motivation in monitoring progress. Examples include gamification elements (75%), Peer Competition (45%), personalized progress insights (55%), and Regular feedback from instructors (45%).

While platforms like YouTube, LinkedIn Learning, Coursera, and edX offer valuable content, none encompass all these essential features, leaving a gap in the market. The popularity of online learning necessitates urgent attention to this issue. It's imperative to bridge the existing gaps, enhance user engagement and productivity tracking, to elevate the online learning experience for all.

Goals

PacePulse aims to empower users by facilitating accurate tracking of their learning progress. Our goal is to provide a platform that enables users to effortlessly stay updated on covered material, fostering a sense of accomplishment and encouraging a proactive approach to their educational journey. By doing this we are:

- Instilling a sense of achievement, motivating users to stay engaged and dedicated to their educational goals
- Allowing users to efficiently manage their study time by being aware of what has been covered, allowing them to allocate time effectively for review and new material.
- Avoid users feeling overwhelmed by the volume of material, as they can break down their learning journey into manageable

PacePulse strives to transform online learning into a vibrant, engaging, and confidence-building experience for all users.

User Stories

As a user, I want to view a personalized dashboard that clearly displays my overall progress across all enrolled courses, allowing me to quickly assess my academic achievements at a glance.

As a user, I want the ability to set specific learning goals for each week and receive visual indicators of my progress toward those goals, providing me with a sense of direction and accomplishment.

As a user, I want to easily revisit completed modules for review, accessing summary notes and key concepts covered, ensuring that I can reinforce my understanding of important topics for exams or future coursework.

As a user, I want to receive personalized recommendations for additional resources or supplementary materials based on my progress, aiding me in exploring related topics and deepening my understanding of the subject matter.

Proposed Solution

The proposed solution involves the development of an intuitive user interface, offering a clear overview of module content to empower learners to track their progress effortlessly. Users will be able to navigate through learning materials with ease, seamlessly marking completed topics using automated or manual options for optimal flexibility. Additionally, the platform will provide convenient accessibility for presentation decks and other learning resources, ensuring that users can readily access supplementary materials to enhance their understanding and overall learning experience.

Scenarios

User Story 1: As a user, I want to view a personalized dashboard that clearly displays my overall progress across all enrolled courses, allowing me to quickly assess my academic achievements at a glance.

- Have a comprehensive overview of all the enrolled courses
- The dashboard should incorporate progress bars and completion percentages for each course
- Each course is color-coded for easy identification, and upcoming deadlines are displayed.

User Story 2: As a user, I want the ability to set specific learning goals for each week and receive visual indicators of my progress toward those goals, providing me with a sense of direction and accomplishment.

- Have a goal-setting section that allows the user to record specific learning goals for each of their enrolled courses
- Have progress bars based on goals set

User Story 3: As a user, I want to easily revisit completed modules for review, accessing summary notes and key concepts covered, ensuring that I can reinforce my understanding of important topics for exams or future coursework.

- Have an organized list of all the completed modules
- Have a dedicated space where users can access summary notes, key concepts covered, and any supplementary materials provided during the course.

User Story 4: As a user, I want to receive personalized recommendations for additional resources or supplementary materials based on my progress, aiding me in exploring related topics and deepening my understanding of the subject matter.

- Allow notifications to be sent at the end of a course indicating personalized recommendations for additional resources.