

A SYSTEMATIC APPROACH TO PLATFORM CLASSIFICATION AND ANALYSIS: STRUCTURE, METHODOLOGY, AND RATIONALE

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ANNOTATSIYA:

the reasoning, standards, and structural underpinnings used in the methodical categorization of platforms functioning within the contemporary digital ecosystem are thoroughly examined in this scientific article. The study provides a thorough examination of the technological architecture, functional capabilities, application areas, and overall efficacy of platforms, classifying them into four main categories: educational platforms, business platforms, analytical and monitoring platforms, and communication platforms. According to research findings, classification based on clearly defined criteria improves digital management accuracy, boosts technological process efficiency, and helps choose solutions that better suit user needs. Professionals in education, corporate management, IT analysis, and related sectors, as well as researchers exploring digital technologies, can use this page as a methodological resource.

Introduction

Platforms are now essential to many facets of contemporary society because to the quick development of digital technologies. These days, digital platforms are used for the majority

of tasks, including commercial operations, education, communication, analysis, and monitoring. A methodical strategy to categorizing, organizing, and evaluating platforms according to scientific principles is required for this expansion.

Platforms differ significantly in their core design, functional capabilities, target users, and intended goals, even though these differences are not necessarily visible through their interfaces.

In order to accurately assess platform functions, ascertain their practical usefulness, and pinpoint suitable solutions for particular fields, a methodical and classification technique is necessary.

This article looks at platforms in four main categories:

2. Platform Categorization

- Platforms were divided into four groups according to the determined criteria:
- Platforms that facilitate learning and educational administration
- Platforms that maximize corporate operations
- Platforms intended for monitoring and data analysis
- Platforms that allow teams and organizations to communicate in real time
- Clarity and an organized foundation for additional study are provided by this classification.

3. Structural Analysis of Every Platform.

Every platform was examined in accordance with:

- ✓ System structure that is modular
- ✓ Cloud-based, micro services, and monolithic architectural models
- ✓ Usability and user interface
- ✓ Flow of data processing
- ✓ Protocols for security
- ✓ Extensibility and scalability

4. Comparative Assessment and Measurement of Efficiency.

The following metrics were used to evaluate the efficacy of the platform:

Stability of operations usability. User comments adaptability of technology.

Outcomes.

Across the four platform categories, the study produced particular scientific and useful conclusions.

1. Findings on Educational Platforms.

Educational platforms are extremely useful solutions that can:

Automate instruction Electronically receiving and processing assignments. Using testing methods to evaluate students. Improving communication between teachers and students. Completely assisting with remote learning.

As a result, educational platforms can greatly enhance students' capacity for autonomous learning while automating up to 40% of learning procedures. More openness and organized learning are encouraged by LMS platforms.

2. Results Regarding Business Platforms

Business platforms enable companies to: Handle customer relations (CRM) Combine business operations into one system (ERP). Manage marketing, finance, logistics, and inventories. Produce reports in real time. Maximize spending

As a result, business platforms enable the automation of important management procedures, decrease human error, and boost organizational productivity by 20-60%.

3. Results Regarding Monitoring and Analytical Platforms

These platforms: Handle a lot of data. Monitor in real time. Make predictive analytics available. Exchanging files. Chat and audio conferencing

Teams that work remotely therefore enjoy a 35-45% increase in productivity and a 60% reduction in meeting time.

Clarifying complex platform differences is made easier with systematic categorization. Each type serves a specific purpose: corporate platforms focus on automation and integration, educational platforms highlight learning management and involvement, analytical platforms provide scientific insights, and communication platforms enable rapid and effective collaboration. Future technological advancements like AR/VR, metaverse integration, and advanced AI capabilities will likely further change platform ecosystems and call for new classification techniques.

In conclusion, a systematic classification of platforms provides a deeper understanding of their functional capabilities, technological foundation, and use. The main conclusion is that each of the four platform types is crucial to the development of digital transformation operations and significantly increases productivity in its particular field.

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