

PROJECT MANAGEMENT SYSTEM WITH AUTOMATIC EXECUTION STATUS CONTROL***BARYSEVICH ANDREI, MAKSIM MATUSH*****Polotsk State University, Belarus**

The article is focused on a project management system with automatic execution status control. Its main advantage is the automatic tracking of the task, which simplifies the forecasting of risks and monitoring the work on the project online as well as reduces time and money expenses.

Project management systems do not only organize work and schedule projects. They are also applied in running a successful business, scaling growth, motivating teams. In fact, a project management system is intended to help you achieve higher productivity and better project results by centralizing and simplifying project management. Project management systems are vital today as they help us to avoid derailed projects, missed project deadlines, over-budgeting and lack of competitiveness.

You do not have to carry the painful legacy of running projects with difficult tools and ineffective processes anymore. There are beautiful solutions out there! Here are five defining business problems that a project management system will be focused on:

- Trouble managing stakeholder expectations. When you can't surface competing priorities, resource availability and scope changes, stakeholders are going to set down their own deadlines and demands—and then lose trust in your team when the project doesn't turn out as planned.

1. Lack of visibility. When project leads do not have access to a live schedule, time is wasted corralling updates from team members; and, there is no way to see incoming risks that let you plan ahead, and alert stakeholders before disaster strikes.

- Missed deadlines. When projects are tied to single-point deadlines or ones that are mandated by an executive with no idea how much work is involved, success is a pipedream. And, when the scheduling software doesn't show how resources are allocated, people get overworked even while blowing past proposed finish dates.

- No single source of truth. When project teams don't have a central location for project work, documents go missing, conversations get lost and hours are spent on work that was last week's top priority.

- Not adapting to change. When you don't have a schedule that updates in real time, there's no way to quickly assess the impact of all the constant changes occurring and alert stakeholders before it is too late.

When choosing a project management system in most cases, we prioritize online systems because they are cross-platform and allow you to be aware of the work on the project. Let's consider some of these systems.

Wrike, Inc. develops and delivers on-demand project management and collaboration software. It offers business management software that includes project planning, marketing project management, scheduling software, task management, add-in for Microsoft Outlook, and time tracking software solutions. The vendor offers a great free trial plan so there is no problem with trying out the key capabilities of the software first. To start, it offers a load of useful features including: task management, task prioritization, real-time newsfeed, interactive timeline (Gantt chart), and workload management. These tools help both distributed and co-located project teams to work speedily and efficiently.

JIRA helps you to assign tasks and prioritize your work. This app is recommended for application developers as it covers all aspects from initiation to launch. The cloud version of JIRA is easy to set up and maintain as all updates are automatic. You can utilize Scrum and Kanban workflows for project success. With the application's advanced workflow engine you can easily create a fitting process for your team.

The unique aspect of Clarizen is its links project management with social engagement in an effortless manner. The tool is widely adopted as it is fast to deploy and easy to use. With this app, you can connect projects, tasks, and conversations. Plus, the platform automatically prioritizes projects, tasks, resources, budgets, and portfolios, and ensures important resources and information are managed appropriately. Main features include: templates, personal calendars, project portfolio management, version control, and support for multiple languages and currencies.

Asana is a recommended task and project management app for teams that wish to communicate and collaborate efficiently and effectively. It's another strong contender on our list of 10 best project management software tools. You can leverage this platform to create projects and then tasks within the projects. Then, you

can track the progress of the tasks from any internet-ready device and browser. Top features include: multiple workspaces, real-time updates, activity feed, email bridge, and notifications and reminders.

Having considered a huge number of project management systems, one drawback was highlighted. They lack automation execute status control. The project management system with automatic execution status control is a new stage in project management systems. Its main advantage is the automatic tracking of the task, which simplifies the forecasting of risks and monitoring the work on the project online as well as reduces time and money expenses.

One of the options for automatic tracking of the task is the use of tests. This method is based on TDD. Together with the task, the supervisor also compiles the test to check the job automatically. This solution will speed up the execution of the project, since you often have to wait for the task manager to verify and approve the task. The main visible drawback of this system is the time spent on compiling tests, as well as the availability of relevant knowledge and skills for the manager.

In this article, project management systems were considered, and a solution to one of the problems of these systems was proposed.

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