



Comparison and Analysis of Project Management software(Tools) available in the Market

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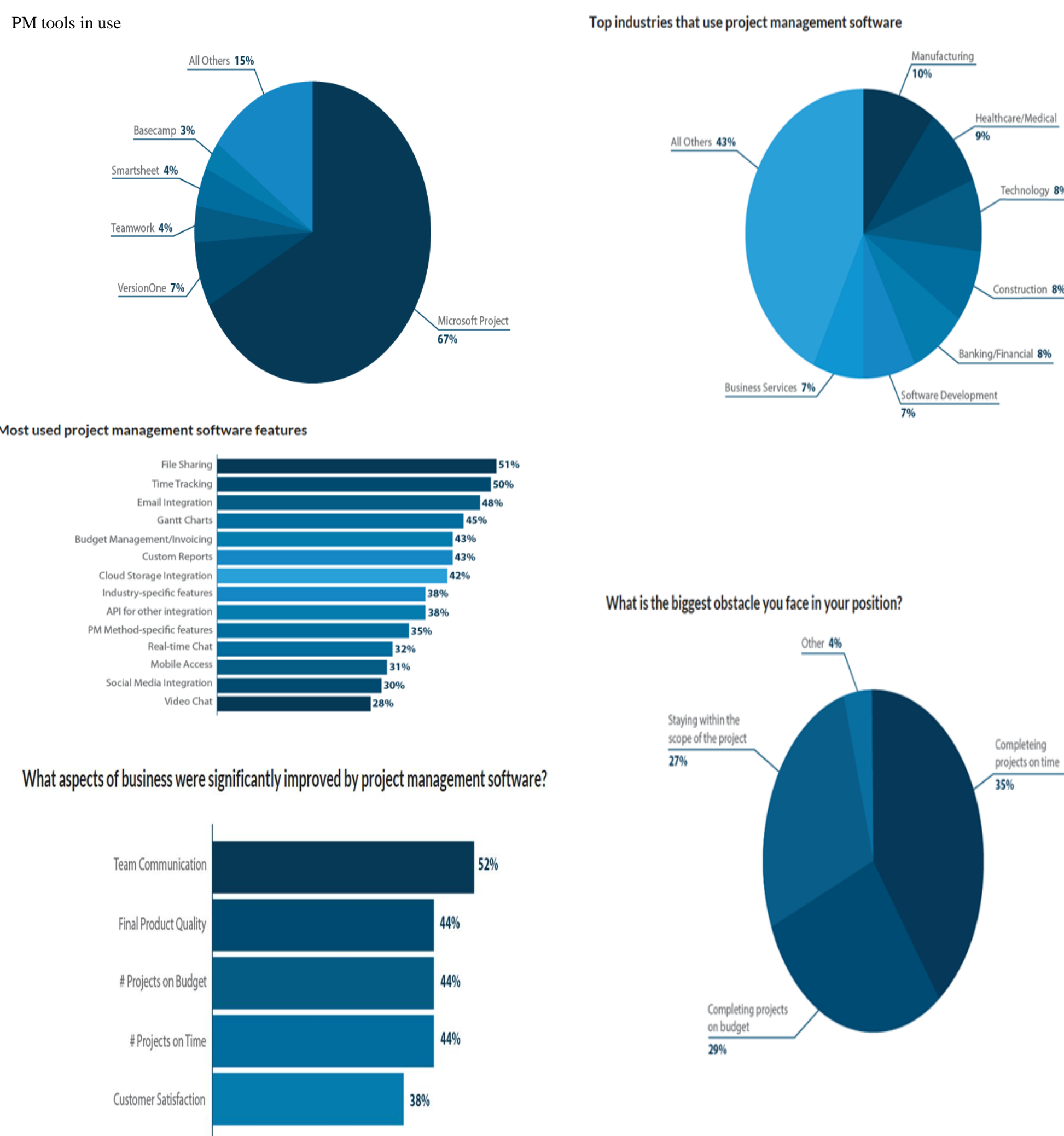
Executive Summary Project management software is software that provides an overview of the goals, resources, and processes for projects. Project management software is often used as a tool for project communication, creating workflows, and aiding with specific project management techniques, like Agile or Waterfall. It is a software which is dedicated to keeping projects under budget, in scope, and on time. It's often used by project managers and stakeholders. Project management software typically includes resource management, file sharing, and task management. Research has shown that these tools improve overall team communication, final project quality, and customer satisfaction. In addition, project management software is effective at creating deliverables on budget and on time. As a system that's designed to systematize a business's overall communication and product strategy, some form of project management software is often present in business and not-for-profit enterprises. Studies show that organizations are completing their projects on time and on budget and with higher quality when implementing project management software. Teams using project management software are also likely to communicate better. The biggest cause of dissatisfaction among the minority who don't care for their project management software is cost, followed by demoing too many products.

Research Objective(s) Comparison and Analysis of Project Management software(Tools) available in the Market

2. To find the suitable project management software(if any), as substitutes to MS Project and Basecamp, which are part of academic courses at UB Business School

Methodology Meta Analysis of secondary data on reviews of industry people(Project Management field) and actual users of such PM tools.

Findings



Exploring top 5 Free and Open Source Project Management Software Applications and looking for a substitution for Basecamp(in-use presently at

UB-

- Asana
- Wrike
- Bitrix24
- Freedcamp
- OrangesCRM

After studying the various project management tools, I found that these tools help in achieving following while managing projects-- Easy Planning

- Efficient Task Management
- Seamless Team Workflow
- Share Documents, Calendars and Contacts
- Precise Project Tracking

Comprehensive Project Management Features	Color Matrix	
	Yes	No
	Microsoft Project	Basecamp
Project and Task Management		
Create Task List	Yes	No
Sub-Task Hierarchy (collapse/expand)	Yes	No
Task Dependencies	Yes	No
Gantt & Calendar View	Yes	No
Custom Reports Across Projects	Yes	No
Resource Management & Scheduling	Yes	No
Online Collaboration		
Share Online	Yes	No
Change Notifications	Yes	No
File Attachment on Any Task	Yes	No
Discussions on Any Task	Yes	No
Flexibility		
Create Custom Fields	Yes	No
Templates For Mkt, Sales, HR, IT, Ops...	Yes	No
Conditional Formatting	Yes	No
Sort, Hide, Filter Task Columns	Yes	No
Native Android & iOS Apps	Yes	No
Academic License	NO	YES
Free Trial	NO	YES
Earned Value Management	YES	NO

S.No	Particular	MS Project	Primavera
1	Multiple User Access	No	Yes
2	Baseline	Microsoft Project requires the development of filters to allow for the selection of activities requiring status	11 Unlimited Primavera P6 offers a feature called Progress Spotlight. This Progress Spotlight highlights activity table rows in yellow if they are due any status in the next period (day, week, month, quarter or year)
3	Progress and status	Microsoft Project lacks a feature for tracking project issues or risks.	Primavera P6 can record issues and risks against a project, WBS element or activity.
4	Issues and Risk	Microsoft Project lacks a feature for tracking project issues or risks.	Primavera P6 plans, documents and other information can be converted to HTML directly from the software
5	Web Support	No wbsupport options	The Steps feature in Primavera P6 allows you to create sub-activities (steps) of an activity, effectively a to-do list for discrete progressing. Each step has a weighting that can be used to drive % complete for an activity as the steps are marked off as completed. The additional P6 Step Template allow this feature to be used for common processes that appear often among projects
6	Steps	This capability is not available in Microsoft Project.	In addition to resource costs, Primavera P6 allows planned, remaining and actual project expenses (training, travel, ODC) to be entered at the activity level.
7	Expenses	Microsoft Project doesn't have this capability.	yes
8	Custom Fields	yes	yes
9	Multiple Activity Relationships	Only one relationship can be created between two activities	Multiple relationships can be created between two activities
10	External Relationships	Microsoft Project uses a special feature called Links Between Projects to achieve inter-project dependency modeling.	In Primavera P6, multiple projects can be opened at one time for editing. This allows for relationships to be established between activities in different projects when inter-dependencies exist using identical techniques to assign the relationships.
11	Project Website	This website feature is not present in Microsoft Project without using Project Server	Primavera P6 can create a comprehensive website comprising of all the project details including activities, resources, reports, risks, issues, WBS, and anything else that a user can define.
12	Multiple project creation and Tracking	Yes	Primavera P6 capabilities extend beyond this to include multiple project tracking, multiple project or WBS comparisons, cost and units calculations.
13	Discussions	no threaded discussion with team	Options of threaded discussions with team members

Recommendations

- Microsoft Project and Basecamp-compliment each other, so, when a company doesn't have the money to invest in either Microsoft Project Server or Primavera, combining these two products works.
- Primavera is an industrial strength, heavy duty, expensive project management ERP system.
- Standalone Microsoft Project cannot compete with Primavera.
- Microsoft Project (small) --> Microsoft Project Server (medium) --> Primavera (large).
- Price: low-medium-high
- Considering UB's cost constraints-MS Project is the way to go since we already have a site license.
- Introducing students to Microsoft Project and Basecamp "backs us into" the collaboration and the key PM tool features so it is acting as a reasonable stopgap.
- For UB, academic licence is the key, so Asana and Bitrix 24 are the tools for UB, if academicians want to give exposure of other tools to students as well.

References

- <https://www.g2crowd.com/compare/microsoft-project-server-vs-oracle-primavera>
- <https://www.capterra.com/p/124576/Microsoft-R-Server/>
- <https://www.capterra.com/search?utf8=%E2%9C%93&search=primavera>