**ORGANIZATION OVERVIEW:**

The **Thakur College of Science and Commerce (TCSC)** is a college in Kandivali in Mumbai of Maharashtra, India running by Thakur Educational Trust.

Thakur College was started in 1992 to serve the needs of students passing SSC examination from the schools around Kandivali area and Thakur Vidhya Mandir which has already established itself as one of the schools in the area. It offers courses at primarily the higher secondary and under-graduate levels. The courses at the undergraduate and post-graduate level are offered in affiliation with Mumbai University, Mumbai. An ISO 9001:2008 College with A grade as assessed by the National Assessment and Accreditation Council NAAC.

Name : Thakur College of Science and Commerce

Founded : 1997

Address : Thakur College of Science and Commerce, Thakur Village Kandivali (East), Mumbai 400 001.

Contacts : 022-2846 2565 / 022-2887 0627

Email : Helpdesk@tcsc.org.in

History :

* Thakur Junior College was established in 1992, by the founding members
* It was a natural augmentation by the Thakur Educational Trust
* Thakur College had a humble beginning with only 57 students in FYJC first batch of commerce stream
* Our college has accomplished a spectacular growth over the last two decades
* The College has consistently attained outstanding results in academics at both Degree & Junior levels

**Device Specifications:**

Operating System Windows 10 Pro (Version 21H2)

Processor Intel(R) Core(TM) i5-4570 CPU @ 3.20GHz 3.20 GHz

RAM 8.00 GB

Storage 1 TB HDD (64 MB Cache Memory) (7200 RPM Read Write Speed)

System type 64-bit operating system, x64-based processor

**INTRODUCTION**

**What is Project?**

A project is a unique, transient endeavour, undertaken to achieve planned objectives, which could be defined in terms of outputs, outcomes or benefits. A project is usually deemed to be a success if it achieves the objectives according to their acceptance criteria, within an agreed timescale and budget. Time, cost and quality are the building blocks of every project.

**Time:**  scheduling is a collection of techniques used to develop and present schedules that show when work will be performed.

**Cost:** how are necessary funds acquired and finances managed?

**Quality:** how will fitness for purpose of the deliverables and management processes be assured?

**What is Project Management?**

**Project management** is the application of processes, methods, skills, knowledge and experience to achieve specific project objectives according to the project acceptance criteria within agreed parameters. Project management has final deliverables that are constrained to a finite timescale and budget.

A key factor that distinguishes project management from just 'management' is that it has this final deliverable and a finite timespan, unlike management which is an ongoing process. Because of this a project professional needs a wide range of skills; often technical skills, and certainly people management skills complete the project task and satisfy client needs to good business awareness.

**Existing way for Project management:**

Managers handle multiple projects all the time. They juggle with people, tasks, and goals to ensure that every project is successful. But managing projects, by nature, is not an easy task. Since there are a lot of moving parts, it can easily become chaotic and disorganized.

When you don’t use a project management software, chances are that you’re wasting a lot of time on the little things and doing more work than necessary. It’s difficult to keep track of who’s working on what. Collaboration among teams is inefficient and spread across email threads and chat software. As a result, deadlines are missed and clients become unsatisfied.

It’s important to use an efficient project management system to help you stay organized at work while planning and executing projects.

DRAW BACK OF EXISTING WAY FOR PROJECT MANAGEMENT

1) IT IS SLOW

It is going to be a slow development if your client isn’t clear about the requirements. Since the changes are difficult in the sequential methodology of traditional project management. The changes can break the sequence and the next development step will be trodden upon until the previous step isn’t completed.

2) NO CUSTOMER FOCAL POINT

There isn’t much space for the customer’s opinion in every development process. The clients are not involved or being open to the entire development process until the product is ready. If it is not according to a client’s requirements then it’s going to be a time-wasting phenomenon. The stage of finalizing the product is too late to check the marketing accountability of the product as well.

Making the customer happy is the topmost priority of today’s world. Because it’s their happiness which is going to determine your actual Position Application Development Company in the market

3) TIME MANAGEMENT

The time mismanagement issue can arise in existing methodology due to a lack of mutual teamwork, unity, miscommunication and mutual development.

4) LACK OF INTUITIVENESS

There isn’t much space for new ideas to employ in existing Methodology. The sequential method doesn’t have room for continuous evolution. You cannot do much but just to follow the sequence like waterfall.

5) LACK OF COORDINATION

The subcontractors are involved as individuals, not as a singular dynamic team. There is no attempt is made to have unity, mutual teamwork, and commitment to the development. The lack of coordination delays development and can cause some serious issues.

6) LOCAL OPTIMIZATION

All individual subcontractors only care about their own efforts and talent. If something goes wrong, there isn’t mutual teamwork to defend and tackle the problem.

No teamwork, no dream work in existing project management.

7) NO EASY CHANGE

Once an application is on the testing stage, it is very likely impossible, time taking and expensive to go back and fix it according to the requirements. Sometimes you need to start again to implement any changes.

8) NOT USER FRIENDLY FOR ALL USER'S

The existing method of management is not an easy task to control, track, balance, handling & communication. It's not even flexible for time management, budget management & modification in projects.

9) RISK INVOLVING AND CHALLENGING DEVELOPMENT

Sometimes the customers and stakeholders are not sure about their requirements in the start, and web application tool cannot begin without gathering all relevant details and requirements. That is why the traditional approach does not offer much space for customer’s feedback and the customized final product. It is also a not viable model for complex, big and object-oriented project development.

Project Management Web Application (PMWA)

PMWA is online tool used by a wide range of industries for project planning, resource allocation and scheduling. It enables project managers as well as entire teams to control their budget, quality management and all documentation exchanged throughout a project. This online tool also serves as a platform for facilitating collaboration among project stakeholders.

What makes a good PMWA?

From tracking down deliverables to managing resources and from budget management to collaboration with team members, there is a lot to be considered when running and managing projects. This holds true when choosing the right PMWA tool as well. Here’s a list of the top 5 key functionality aspects of PMWA to guide you in your decision.

1. **Task lists** – being able to assign and update the status of tasks so that everyone in your team is on the same page is critical
2. **Schedules** – many tools offer calendars, Gantt charts or milestone tools that help you understand where a task fits into the project as a whole and how much time there is to complete it.
3. **File sharing** – being able to share and organise key project documents eliminates time wasted searching for files
4. **Communication** – this is critical in project management as a smooth flow of communication means quick and easy problem solving
5. **Reporting** – this is important for all team members when it comes to updating themselves on the project as a whole. However this is also a huge plus for project managers who want to ensure that the project is progressing and tasks are being carried out in a timely manner

**Key benefits of having a PMWA**

PMWA come with the necessary features you need to efficiently plan your projects, manage available resources, respond to problems, and keep all the project stakeholders involved. Regardless of the services, your business offers, having the best project management tool can make a significant impact.

1. Improved planning and scheduling

Project planning and project scheduling is extremely important aspect of project management irrespective of the applied methodology. With these project management solutions, the previous record of the team relevant to the current project can be accessed easily.

Also, project managers can conveniently create a consistent management plan and prioritize tasks for the project’s success. With PMWA, tasks like allocating resources, identifying dependencies, setting up deadlines, and creating project deliverables can be completed conveniently within no time.

Since a good start lays the foundation for a successful project, all effective project scheduling tools come with features that help in streamlining the project planning and project scheduling process.

2. Better collaboration

Project teams are sometimes comprised of members from different departments. They are required to handle their day-to-day responsibilities as well, which makes it hard for all other stakeholders to regularly attend meetings and stay updated. This communication gap can create unnecessary delays in the projects and problems that can waste a lot of precious resources.

A huge advantage of the PMWA is that it makes an effective project team collaboration extremely simple. It keeps all the communication in a unified place. Insights like project timeline and status updates can be accessed easily with a single click and important alerts can be automatically sent to the relevant parties.

“75% of project professionals believe that the usage of project collaboration tools for teams will increase.”

3. Remote working

The physical location or department does not bind modern projects. Workforces are now scattered and managing them can be quite problematic. With remote PMWA, managing remote projects becomes easy as these programs help managers effectively lead their teams.

4. Effective task delegation

Managers often find it difficult to fairly assign tasks to members which may affect the efficiency of the whole team. With a project management program, managers can easily delegate project tasks to members and find who is currently available.

This is also an easier option for team members as in task management, the only thing they need to do is login in website and start working on their tasks according to their priorities. In most cases, these programs also send out automatic reminders before the deadlines to ensure smooth and efficient operations.

5. Easier file access and sharing

Safely accessing and sharing important documents is quite important. Professionals have been using shared drives but using the PMWA is a more practical option. PMWA offer storage where users can make changes, leave feedback, and annotate easily. These programs also keep a change log to ensure project transparency within the team.

6. Easier integration of new members

Projects are dynamic in nature and sometimes, inducting new members into the project team becomes necessary. Project integration is, however, a challenging task to get new members up to speed within a short time. This issue can be easily handled with the use of any effective PMWA. They have the ability to automatically maintain a project log and visualize the entire project in a simplistic manner with charts & project progress bars.

7. Effective risk mitigation

Identifying potential bottlenecks and employing effective solutions are the makings of a great manager. With PMWA, managers can enhance their risk mitigation strategies and take help from all the resources at hand to deploy effective countermeasures.

This improves the overall efficiency of the team and also allows managers to allocate their available resources in an effective manner to avoid project risks.

8. Budget management

As discussed before, a major benefit of using PMWA is that they allow users to effectively manage every resource at hand. Over the course of any project, the chances of scope creep, the tendency of projects to go off the track, get quite high.

A PMWA can help managers prevent that as it allows them to keep track of everything with the help of a real-time project reporting tool and prevent the project cost from skyrocketing.

9. Enhanced productivity

Another major advantage of the PMWA is that it optimizes your decision-making process and improves productivity at work. As all of the important details can be found in a single place, you can always make informed decisions within the shortest time.

10. User friendly for all user's

The PMWA uses the formulas to calculate the time, Budget & Risks of the project. Formulas like cost variance, schedule variance,

1. Enhanced Productivity

One significant benefit of project management software is that it improves decision-making & overall project productivity. It becomes much easier to make informed decisions in the shortest amount of time because all of the important details are in one centralized place.

2. Effective Risk Mitigation

A project manager must always think two or three steps ahead in order for a project’s development to be as effective as possible. Anticipating what might go wrong makes it much easier to implement effective solutions to resolve bottlenecks before they occur.

Project managers can use project planning software to improve their risk mitigation strategies & leverage all available resources to deploy effective countermeasures. As a result, the software is used to improve overall project & team efficiency, as well as to enable project managers to successfully allocate available resources to avoid possible project risks.

3. Improved Planning & Scheduling

It’s hard to argue that a well-thought-out project plan & Work Breakdown Structure (WBS) are the bedrock of any successful project. As such, all effective project management software includes features that aid in the project planning & scheduling processes. The software also provides access to previous learnings, allowing project teams to determine the best way to proceed based on previous experiences.

This software also allows for the creation of a management plan & the prioritization of project tasks from the perspective of a project manager. Tasks such as resource allocation, dependency identification, deadline date & milestone finalization, & project deliverable creation can all be completed quickly.

4. Cloud-Based Solutions

Cloud-based services are one of the most rapidly growing advantages of project management software. As project teams grow in size & remote work becomes more commonplace, improved team collaboration is required. Cloud-based technology enables seamless global collaboration, is simple to implement, & allows for greater flexibility & scalability.

5. Centralized Workflows

Project management software centralizes various project functions so that everything required to aid in its development is housed under one roof. It’s no longer necessary to use a variety of tools & applications for communication, task management, file sharing, knowledge capture, & so on. Instead, project management software provides a more efficient way of managing everything. This way, less time is spent switching between applications & more time is spent on the project itself.

6. Improved Team Collaboration

Communication is perhaps the most important aspect of project management. Everyone, regardless of status or level, must be on the same page at all times. Furthermore, when project teams are made up of members from various departments, it can be difficult to attend meetings on a regular basis & stay up to date because everyone has different responsibilities. This communication chasm can cause unneeded project delays & problems, resulting in wasteful resource use & inefficient sprints.

It’s easier to communicate with the right people in the right project at the right time when using effective project management software. Such software makes project team collaborations more approachable. Teams can share important files & insights, such as project progression & team statuses.

7. Keep Teams Accountable

Team productivity is heavily influenced by who is in charge of what. When team members use project management software to collaborate, task tracking becomes easier. The team can be kept up to date on their tasks without having to make extra efforts to keep track of who is doing what. They will be aware of deadlines, their overall expectations, & the status of their progress toward set goals & milestones. Plus, project managers can assign tasks & set deadlines to hold team members accountable for completing tasks.

8. Documentation Management

Every project requires the management of project documents. Reports, project plans, & files related to specific tasks are all examples of such documents. Using project management software ensures that documentation is easy to read, well-organized, accurate, & easily shareable with team members.

9. Remote Work

The benefits of project software management for remote work have never been more apparent than during the Covid-19 global pandemic. As companies have shifted their teams & projects online, it has become clear that projects are no longer bound to a physical location like the office. Because project teams are more dispersed than ever before, effectively managing them can be difficult.

However, remote project management software makes managing remote projects easier by providing project managers with the tools they need to effectively lead both their project & their team from afar.

10. Effective Team Meetings

It’s critical that project team meetings are clear, time-efficient, & project effective. Team members cannot leave a meeting with the only thought in their minds being, “that could have easily been an email.”

With project management software, it’s possible to schedule team meetings with a clear agenda & desired outcome. Plus, managers can incorporate basic meeting functions such as meeting minutes & follow-up meetings to streamline project workflow further. When working on a project, teams must have a clear understanding of the meeting’s objectives. Furthermore, it’s critical that the meetings always serve a purpose for the project’s development & add value to those working on it.

11. Easier File Access & Sharing

It’s important to share & have secure access to important files. In this regard, project management software solutions are extremely useful. They provide storage for users to easily make changes, leave feedback, & annotate. Such software also maintains a log to ensure project transparency among team members with any changes made.

12. Easier On-Boarding

The complexity & duration of projects can make it difficult to integrate new team members. With project management software, it’s slightly less cumbersome to quickly bring new members up to speed & direct them to the appropriate resources. This software facilitates access to project logs & provides a quick overview of tasks, responsibilities, & objectives.

13. Effective Budget Tracking

Managing costs & staying on budget can be difficult. If one project goes over budget, it can have an impact on subsequent projects, throwing everything off-kilter.

Budget & resource management are becoming easier with project management software. It allows project managers to create a detailed resource breakdown structure & track project expenses. As a result of real-time project reporting, being able to act before a project goes off track & over budget becomes more manageable.

14. Effective Task Delegation

Managers may find it difficult to distribute tasks to team members in a fair manner. Inefficient team progression & even internal frustration can result from inefficient task distribution.

Managers can easily delegate tasks to members using project management software because it provides clear overviews of individual ongoing team tasks & allows them to see who is available to take on any extra work.