

Assignment III

Problem statement: Generate Dashboard and Reports

Requirements: Project Management tools (any one tool from the list given below)

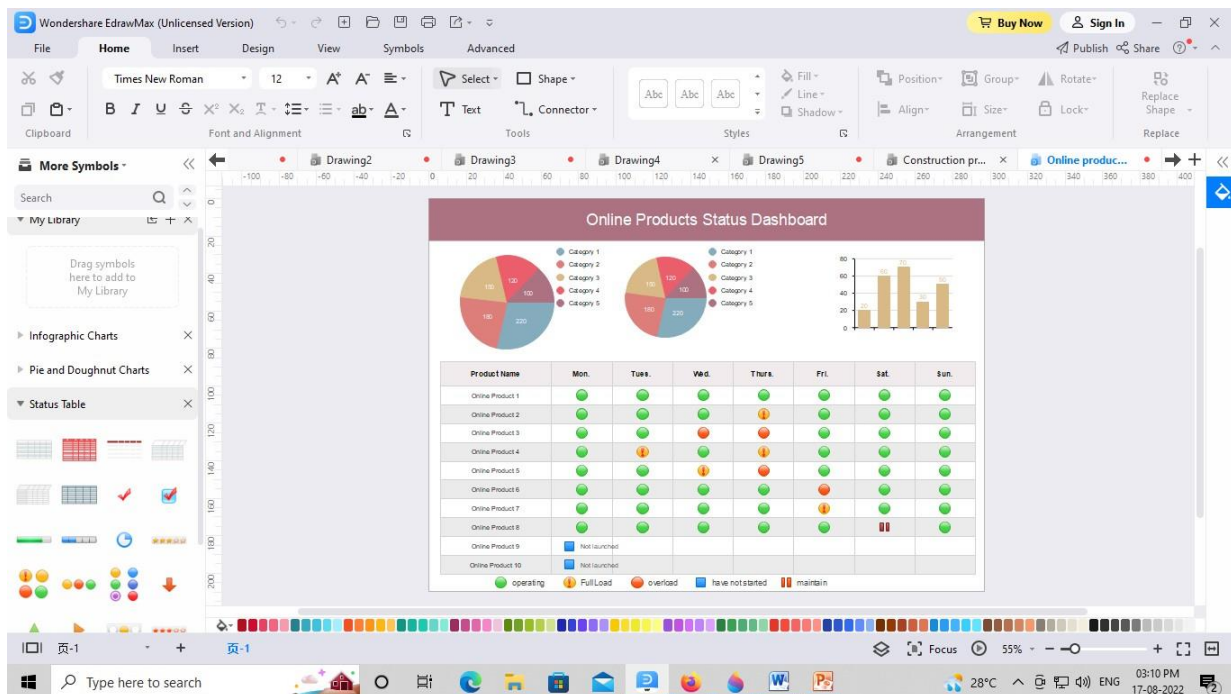
1. Primavera Project Management Software
2. Microsoft Project Management Software
3. **Edrawmax Project Management Software**
4. Jira Project Management Software

Theory:

Generating the required artifacts and proper documentation is the key to project success. Version control, changes in requirements, rescheduling of tasks, changing priorities of tasks etc. need to be documented. The dashboard facility in Edraw Max provides a wide range of templates to generate and monitor the reports.

Go to File Menu – Business – Project Management – Status Table.

Sample screen:



Dashboard:

Project Overview:

This proposed project is about Gym Management System. The project contains an overview of Gym management activities. The dashboard basically shows the graphical information of the resources used in the project.

Cost Overview:

The dashboard shows the cost required for each task involved in the Gym Management System.

Upcoming Tasks:

The dashboard of the proposed project also shows the upcoming tasks that are involved in completing the task.

The Dashboard of Gym Management System is shown in the assignment below. Now the following terms can be calculated using the above data:

Earned Value Analysis:

Earned Value Analysis (EVA) is a method that allows the project manager to measure the amount of work actually performed on a project beyond the basic review of cost and schedule reports.

$$EVA = PV \text{ to date} * RP$$

Where, EV: Earned Value

PV: Planned Value

RP: Rate of Performance Earned

Value Analysis for the proposed project Gym system can be calculated as follows:

Assigned Time Duration for project: 2 month i.e. 8 weeks

Approve budget for project: INR 5000

Therefore, Rate of performance for the project is up to the third week that is execution week which is most reactive can be given as:

RP=Actual work completed/work completion as per planning

RP(%)=80/100

RP=0.80

Hence, as the PV=5000,

$$EVA=5000*0.8$$

$$EVA=4000$$

Here, from the above calculation and the graphical representation, we get

AC=5500

PV=5000

EV=4000

Now the following terms can be calculated using above data:

Cost variance

$$CV=EV-AC$$

$$=4000-5500$$

$$CV= -1550$$

This implies more money is spent on the project than the assigned budget.

Schedule Variance

$$SV=EV-PV$$

$$=4000-5000$$

$$SV= -1000$$

The negative value indicates that the project is behind schedule. It took more time to complete than the assigned schedule.

Cost Performance Index

$$CPI = EV/AC$$

$$= 4000/5500$$

$$= 0.73/100$$

$$CPI = 73.00\%$$

Schedule Performance Index

$$SPI = EV/PV$$

$$= 4000/5000$$

$$= 0.80 \times 100$$

$$SPI = 80\%$$

Estimate at Completion **EAC** = BAC/CPI where BAC=Budget at completion is equal to total

Budget of the project

$$= 5500/0.73$$

$$EAC = 7534.24$$

Estimated Time to complete = Original Time Estimate/SPI

$$= 46 \text{days} / 0.8$$

Estimated Time to complete = 57.5days

Conclusion:

For Our Project Gym Management System we have successfully studied and Design Dashboard and also perform earned value analysis.