Assignment No. 3

Aim: Generate Dashboard and Reports

- Dashboard
  - o Project Overview
  - o Cost Overview
  - o Upcoming Tasks
- Resource Reports
  - o Over-allocated Resources
  - o Resource Overview
- Cost Reports

o Earned Value Report

  - o Resource Cost Overview

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- Progress Reports

o Critical Tasks
o Milestone Report
o Slipping Tasks

Theory: How to generate – Project Dashboard and Reports?

A **Project Dashboard** for the Dashcam Application provides a real-time visual summary of the app's development status, progress, and critical metrics. To generate it, data such as completed features (e.g., video recording, GPS tracking, cloud storage sync), pending tasks (e.g., UI/UX refinement, performance optimization), deadlines, resource usage, and any risks (such as hardware compatibility or data security issues) are collected. Tools like Excel, Google Sheets, or project management software (e.g., Trello, Jira) can then be used to display this information through tables, charts, or progress indicators. The dashboard highlights key metrics such as percentage of modules completed, upcoming release milestones, and overall project progress in an easy-to-read format.

For **Project Reports**, information from the dashboard and developer work logs is compiled into a structured document. Reports include details of completed modules, ongoing development, issues encountered (such as video processing bugs or GPS calibration errors), resources utilized (developers, testing devices, cloud services), and time spent on each activity. These reports are generated weekly or monthly and shared with stakeholders to keep them updated. They help analyze performance, identify bottlenecks, and guide decision-making to improve efficiency and manage risks effectively, ensuring the Dashcam Application is delivered on time and within budget.

Project Title: Dashcam Application

Theory (Background / Concept of Project):

For the Dashcam Application, a Project Dashboard provides a clear visual summary of the app's development progress and key information. To create it, data such as the number of completed modules (like video recording, GPS tracking, cloud storage integration, and crash detection), pending tasks, overall progress percentage, and any issues (e.g., video quality optimization or hardware compatibility) are collected. Tools like Excel or Google Sheets can be used to display this information through charts, tables, and progress bars.

The dashboard shows important metrics such as how many features are fully functional, which tasks are currently in progress, and the overall completion status of the project.

A Project Report is generated by compiling details from the dashboard, including completed modules, pending development work, challenges faced (such as storage limitations or real-time video lag), time spent on each feature, and resources used (like developers, testing devices, and cloud services). These reports are prepared weekly or monthly and shared with stakeholders to show the current status of the Dashcam Application project. Reports help track progress, identify bottlenecks, and support decision-making to keep the project on schedule and ensure successful delivery.

Project Plan:

Project Dashboard

1.1 Project Overview

Project Name	**Dashcam Application** Project
Manager	Nikhil Thorave
Start Date	3rd September 2025
Planned End Date	29th September 2025
Current Status	In Progress
% Complete	90%

1.2 Cost

Planned Budget	Actual Cost	Variance	Earned Value	Status
₹30,000	₹20,000	₹10,000	₹10,000	On Track

1.3 Upcoming Tasks

Task ID	Task Name	Assigned To	Planned Start	Planned End	Status
004	Coding Implementation	Pranav	10-Sep-2025	16-Sep-2025	Completed
005	Testing & Debugging	Subodh	17-Sep-2025	21-Sep-2025	In progress
006	Final Review & Deployment	Nikhil	22-Sep-2025	-Sep-2025	Pending

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2. Resource Reports

2.1 Over-Allocated Resources

Resource Name	Assigned Role	Tasks	% Allocation	Remarks
Nikhil	Project Manager / Developer	All tasks	94%	Working efficiently, monitor workload

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2.2 Resource Overview

Resource Name	Type (Human/Hardware/Software)	Tasks Assigned	Load (%)	Availability
Prna	Human	All tasks	92%	Full-time

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3. Cost Reports

3.1 Earned Value Report

Metric	Planned Value (PV)	Earned Value (EV)	Actual Cost (AC)	Cost Variance (CV)	Schedule Variance (SV)
Value (₹)	₹25,000	₹25,000	₹20,000	₹5,000	₹0

3.2 Resource Cost Overview

Resource Name	Planned Cost	Actual Cost	Variance
Pranav	₹40,000	₹20,000	₹20,000

3.3 Task Cost

Task ID	Task Name	Planned Cost	Actual Cost	Variance
001	Requirement Gathering	₹6,000	₹5,500	₹500
002	System Design	₹6,000	₹5,500	₹500
003	Database Setup	₹7,000	₹7,000	₹0

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4. Progress Reports

4.1 Critical Tasks

Task ID	Task Name	Assigned To	Start Date	End Date	Status	Remarks
004	Coding Implementation	Pranav	10-Sep-2025	16-Sep-2025	Completed	On track

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4.2 Milestone Report

Milestone ID	Milestone Name	Planned Date	Actual Date	Status	Remarks
M01	Requirements Completed	5-Sep-2025	8-Sep-2025	Completed	On time
M02	System Design Completed	7-Sep-2025	8-Sep-2025	Completed	On time

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4.3 Slipping Tasks

Task ID	Planned	Actual	Delay	Reason for	Corrective

	Name	End	End	(Days)	Delay	Action
-	-	-	-	-	-	-

Conclusion

The **Dashcam Application project** is progressing according to the planned schedule. Initial phases such as requirement gathering, system design, and core feature setup (including video recording and GPS integration) have been completed on time and within budget. Development of the remaining modules, such as cloud storage sync and crash detection, is currently in progress, and milestone reports confirm that no delays have occurred so far. Resource utilization is efficient, with Rahul managing tasks effectively. Continuous monitoring will ensure that the project is completed by the planned finish date and delivered successfully.
