1. **Team Performance in Software Development**

Team Performance was studied in many disciplines like Management science, organizational psychology and Information systems. They found out that the importance of the formation of shared mental model in teams. They did that because it is an example of how the knowledge works in a setting. One of the study of software engineering found out that the ways that teams behave while taking decisions provides information about how we can improve the productivity.

**1.1 Teamwork and performance**:

A team is a group of people who share a common organizational context and interact socially and perform the complimentary tasks. The below five factors influence the teams’ which develop performance according to the author.

**1.2 Team coordination:**

Team performance strongly improves if the Team coordination practices are properly followed. Coordination among team members is such an important thing to be performed for the development of the team because teams’ tasks are well planned ahead and need to be executed properly. Team coordination means managing the existing dependencies between the resources of the project. This involves feedback from the people working in it. Interaction is needed between the members of the team for the team coordination to exist. So, taking frequent feedback from the members about the work products and the coding standards improves the performance of the team.

**1.3 Goal orientation:**

If the leadership of the project or the team is Goal oriented, then the performance of the team increases drastically. That means the leader with a clear goal and if the goals of all the team members have the common purpose then the performance of the whole team is going to be good. Teams’ goals should be very clear and long range effective plans should be there. Team leaders should influence the team members to work according to the project goals. Self-management also impacts performance.

**1.4 Team Cohesion:**

The performance of the team will strongly depend on the team cohesion also. Team cohesion means the way the team members stick to the same idea in attaining the goals of the project. It involves commitment to the tasks that they are performing. A study on the cohesiveness found that the team cohesion is more important in the teams’ overall performance. Agile development methods like extreme programming emphasizes the code ownership.

**1.5 Shared mental models:**

Shared mental models also improves the performance of the projects strongly. Team members of the software team should acquire the ability to communicate with the team members clearly. So, if the team has adopted the shared mental model, each and every team member can anticipate the other member’s needs and requirements and also work strategies.

**1.6 Team Learning:**

Team members should ask questions so that they will be updated on the tasks that the project is performing. In this way the performance of the team increases.