**SQL database required activity done.**

1. Removed Unused Indexes
2. Create Required Indexes on tables
3. Tuning some Report SP.
4. Auto Restore Process has been scheduled for Test Server.
5. Create Query for daily checked and Monitoring Process.
6. Installation of Tools to monitor & identify the key areas of problems in DB (Which is given in required activity section).

**SQL Database required activity to be done.**

1. Need to Rebuild All Indexes It will increase the performance.
2. If TempDB Not kept in SSD drive it should be transfer it on there, it also increase the performance.
3. Mirroring to be done
4. Database separation for SFA and DMS if possible it will increase performance and also it will balance the load on DB.(As maximum data hold on these tables)
5. SQL server up -gradation to 2016.
6. Table’s partition for huge data tables for Query Optimization.

**Challenges are may be face of some job.**

1. If we wants to rebuild the All indexes then It will increase the MDF size upto 3 times.
2. If we setup DB Mirroring then these a drawback that We cannot directly shrink Logfile so we have to proceed for another process already describe.
3. During SQL server Upgradation it gives two option as below
4. To Rebuild All indexes (it will upgrade truly the infra of SQL)
5. Skip Rebuild (it does not changes the internal SQL infra of SQL 2016)
6. In Table Partition we have to first flow down a chart of Tables flow and tables Growth then it can be proceed.