Productivity and Quality have always been important for a manufacturing industry. Manufacturing must be monitored to ensure effective utilization of resources. Machineries , manpower and materials mut be properly utilized without wastages. A particular shop floor that was recording more wastages and less quality with frequent machine breakdowns was under the scanner by authorities and attempts were made to improve productivity. Data collected with respect to the shop floor for the recent month is available. Present your analysis and observation about the shop floor