The research aimed at broadening understanding about motivation of project team members as a critical organizational capability through which project goals can be realized. In the context of SMASSE project, this study examined factors that influence the motivation of project team members. A research framework and the associated questions were proposed. An empirical survey was conducted and questionnaires mailed to project leader/Manager, project facilitators, head teachers, parents, ministry officials and some selected science teachers in Mombasa, Kenya. The study employed the descriptive research design. It involved a field survey where the researcher went to the population of interest for them to describe issues related to motivation of team members and there implication on SMASSE project in Mombasa district. The anticipated outcome by the researcher was that project leadership, project communication, team member remunerations, working environment have influence on motivation of project team members.