The ever increasing demand for university education, overstretched residential facilities and the need for continued learning have led to the emergence of Open and Distance Learning (ODL) in Kenya. These ODL programmes have however been faced with numerous challenges. The focus of this study was on ODL delivery models in Kenya, training and motivation of staff, cost and consistency of the programmes delivery across geographical locations, learner's interaction with facilitators and feedback. Various challenges touching on non optimal utilization of programme facilities, delays in production of study materials, inadequate funding, and low teaching staff levels were identified. Efforts of the ODL providers in Kenya were also not guided by national policies posing a challenge on resource mobilization and programme quality issues.