

ABSTRACT

SMS occupies the highest rank from the using feature which is given by GSM operator. SMS is being enthused by many people as the one of effective communications medium with cheap expense.

Sometimes SMS delivery can not always succeed because of many reason such as inactive mobile station or user is residing in outside reachable area and many other so on

This final project evaluate the cause of SMS delivery failure originating and also terminating in GSM 900. The evaluation is conducted by analyzing failure SMS data in SMSC with many common cause like Absent Subscriber, Short Message Delivery Failure and System Failure.

The evaluation will gives a solution for optimal action which can be done by either the operator or SMS user in order to avoid the failure in delivering SMS. The action is keep the performance of the system so it can be always in proper condition.