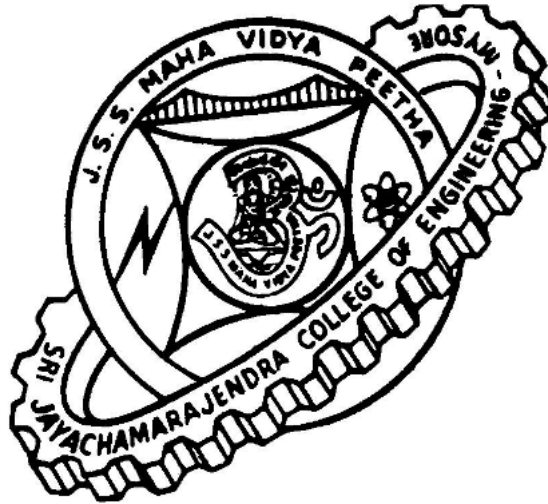


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Test Plans for
Telephone Bill Generation Software for Telecom District

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THE TEAM

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1 Test Plan

The following are Tests are to be conducted after implementation of TellBill.

1.1 Acceptance Test Plan

- Test for length of username and minimum password length
- Test if password has been encrypted properly.
- Test for valid User and Password.
- Only Admin can change contact details.
- Test for Bill Number is Uniquely Assigned to each bill.
- Test for valid Pincode, length of pincode
- Test for SQL injection.
- Test that a bill is generated for each phone connection every month.
- Check if bill payment is regular.

1.2 System Integration Test Plan

The binding between the modules are to be checked based on foreign key referenciations.

- The auto incremented unique Customer ID are to be tested for updation in all tables that refers to Customer ID.
- Deletion of a Customer from Customer Table should lead to *cascaded deletion* of Customer IDs in other tables.
- Test that a new connection reflects in module Bill and module Payment.
- Check that call durations and meter readings are never negative.
- Check that change in Tariff plans does not have effect on older bills.
- Check that user is not charged for received calls.
- Test that net amount calculated in module Bill also gets reflected in module Payment of next month.

2 Conclusion

The above Test Plans are based on Software Requirement Specifications and Software Design Specifications of TelBill. Further test cases are to be evolved.