**Business Logic’s for “ISP Logic”**

1. **Role-Based Access Control for Department and Employee Management :** Only users with Admin or DBA roles can add, modify or remove Departments and Employees.
2. **Enforcement of Non-Negative Employee Salaries :** Employees salaries cannot be negative.
3. **Salary Limitation Based on Presidential Salary :** Any employee’s salary cannot be higher than the President’s salary.
4. **Data Access Restriction to Logged-In Users :** Without Logging in no data is available for viewing or modifying.
5. **Minimum Offer Duration Requirement :** Any Offer duration cannot be lower than a week.
6. **Maximum Offer Discount Constraint :** Any Offer discount cannot be higher than the applied Invoice total amount.
7. **Bill Calculation Based on Cancellation Date :** When a customer cancels their connection, if it’s before the 15th of month, he will be charged for half the package price. If its after the 15th then he will be charged for the full month.
8. **Automatic Adjustment of Deposit Amount upon Service Cancellation :** Upon connection cancellation, the customer’s DEPOSIT\_AMOUNT will be automatically adjusted with the final month’s invoice.
9. **Alert for Overdue Support Tickets on Admin Dashboard :** If a support tickets Status remains “OPEN” for more than a day, it will be shown in the admin Dashboard.
10. **Display of Open Support Tickets on User Dashboard :** All “OPEN” Support Tickets will be shown in the USER Dashboard.
11. **Automatic Service Suspension** : Automatically change customer status to “Inactive” for customers who fail to make payments on time. Customer status will be automatically updated upon payment confirmation.
12. **Service Upgrade/Downgrade** : Customers packages and services can be updated or removed. Any prorated charges or refunds should be calculated accordingly in that month’s invoice.
13. **Referral Program** : A referral program where existing customers can earn discounts for referring new customers to the ISP. Track referrals and apply discounts automatically.