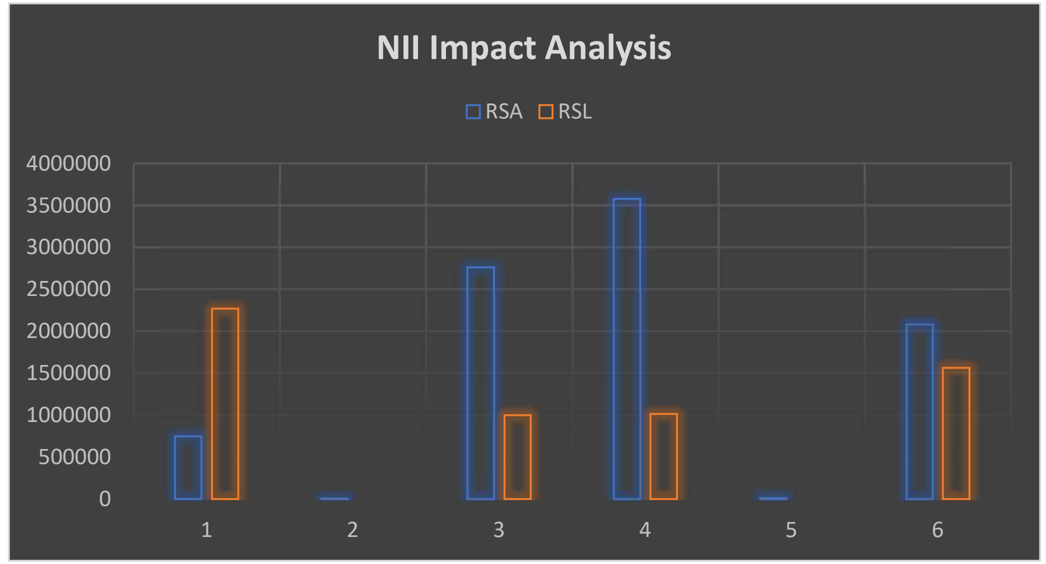
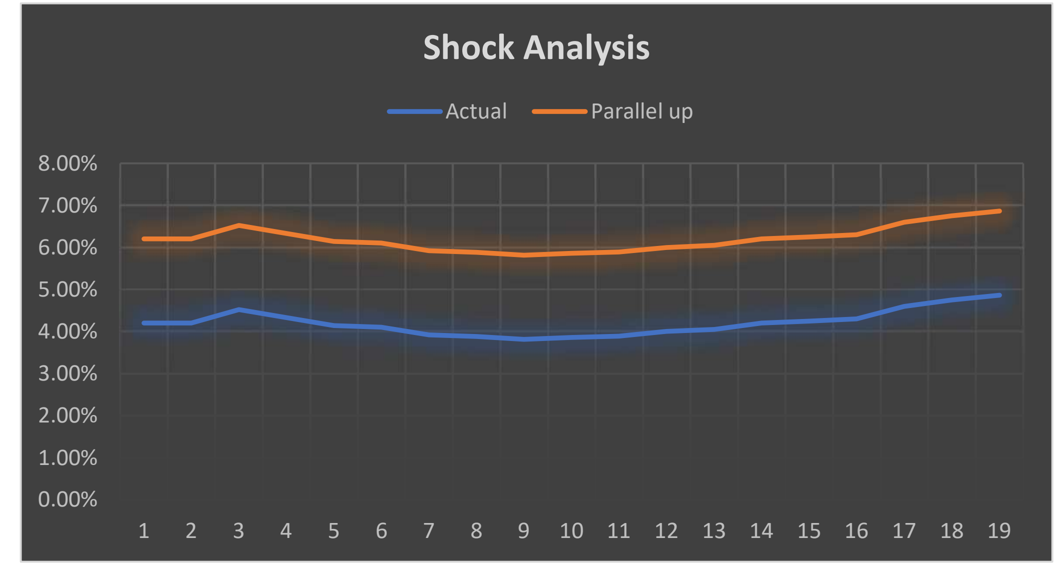
IRRBB

Shock Scenario	Δ EVE	Δ NII
Parallel up	9.98%	33.35%
Parallel down	-8.56%	-33.35%
Short rate up	19.56%	
Short rate down	-20.99%	
Long rate up	-2.57%	
Long rate down	3.71%	
Steepener	-15.84%	
Flattener	17.82%	
	-20.99%	-33.35%





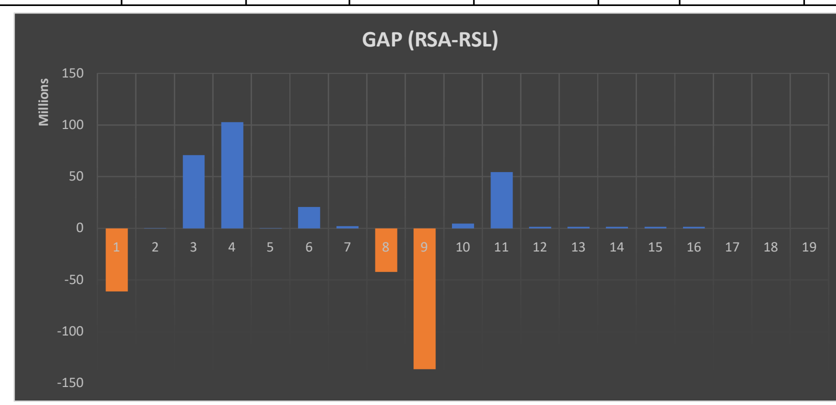
Bank's Balance Sheet							
Sr. no.	**Assets**	**Is rate sensitive?**	**Amount ($M)**	**Sr. no.**	**Liabilities**	**Is rate sensitive?**	**Amount ($M)**
1	Overnight placements with other Fis	**Yes**	**$ 30**	1	Wholesale Deposits (50% Core, 50% volatile)	**Yes**	**$ 150**
2	Consumer Loans (3m Maturity) (Pay 3m LIBOR , Act/360)	**Yes**	**$ 45**	2	Saving Accounts (80% core and 20% volatile, but pays 1% semi annually, Act/360)	**Yes**	**$ 80**
3	Consumer Loans (6m Maturity) (Pay 6m LIBOR , Act/360)	**Yes**	**$ 50**	3	3m CDs (pay 3m LIBOR + 25 bps, Act/360)	**Yes**	**$ 40**
4	Consumer Loans (2y Maturity) (Pay 6m LIBOR , Act/360)	**Yes**	**$ 80**	4	6m Time Deposits (Pay 3.5% , semi annually , Act/360)	**Yes**	**$ 40**
5	3m T-Bills (Pay 3% quarterly, Act/360)	**Yes**	**$ 65**	5	1 yr Time Deposits (Pay 4.5%, semi annually, Act/360)	**Yes**	**$ 60**
6	1 yr T-Bonds (Pay 4% Semi Annual, Act/360)	**Yes**	**$ 80**	6	2 year Time Deposits (Pay 5.5%, semi annually, Act/360)	**Yes**	**$ 40**
7	5-year T-Bonds (Pay 6% Semi Annually, Act/360)	**Yes**	**$ 50**	7	Equity Capital	**No**	**$ 10**
8	Fixed Rate 10 year Loan @9%	**Yes**	**$ 10**				
9	Floating Rate Loan (5yrs Maturity) (Pay 6m LIBOR)	**Yes**	**$ 10**				
			$ 420				**$ 420**

	Short term rates								Medium term rates					Long term rates					
Time Buckets	**O/N**	**O/N - 1mth**	**1 - 3mth**	**3 - 6mth**	**6 -9mths**	**9 -12mths**	**1-1.5yr**	**1.5-2yr**	**2-3yr**	**3-4yr**	**4-5yr**	**5-6yr**	**6-7yr**	**7-8yr**	**8-9yr**	**9-10yr**	**<=15yr**	**<=20yr**	**>20yr**
Days	1	30	60	91	91	92	182	183	365	365	365	365	365	365	365	365	1825	1825	1825
Cummulative Days	1	31	91	182	273	365	547	730	1095	1460	1825	2190	2555	2920	3285	3650	5475	7300	9125
Spot rates	4.2	4.2	4.52	4.33	4.14	4.1	3.92	3.88	3.82	3.86	3.89	4	4.05	4.2	4.25	4.3	4.6	4.75	4.87
Discount factor (df)																			

Interest rate sensitive Assets																						
Assets	**O/N**	**O/N - 1mth**	**1 - 3mth**	**3 - 6mth**	**6 -9mths**	**9 -12mths**	**1-1.5yr**	**1.5-2yr**	**2-3yr**	**3-4yr**	**4-5yr**	**5-6yr**	**6-7yr**	**7-8yr**	**8-9yr**	**9-10yr**	**<=15yr**	**<=20yr**	**>20yr**	**Non-sensitive**	**Total RSA**	**Total**
Overnight placements with other Fis	30000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30000000	30000000
Consumer Loans (3m Maturity) (Pay 3m LIBOR , Act/360)	-	-	45000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45000000	45000000
Consumer Loans (6m Maturity) (Pay 6m LIBOR , Act/360)	-	-	-	50000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50000000	50000000
Consumer Loans (2y Maturity) (Pay 6m LIBOR , Act/360)	-	-	-	80000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80000000	80000000
3m T-Bills (Pay 3% quarterly, Act/360)	-	-	65487500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65487500	65487500
1 yr T-Bonds (Pay 4% Semi Annual, Act/360)	-	-	-	1600000	-	81600000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83200000	83200000
5-year T-Bonds (Pay 6% Semi Annually, Act/360)	-	-	-	1500000	-	1500000	1500000	1500000	3000000	3000000	53000000	-	-	-	-	-	-	-	-	-	65000000	65000000
Fixed Rate 10 year Loan @9%	-	126675.774	253351.5475	380027.3213	380027.3	380027.3213	760054.6	760054.6425	1520109.285	1520109	1520109.285	1520109	1520109	1520109	1520109	1520109	-	-	-	-	15201092.85	15201092.85
Floating Rate Loan (5yrs Maturity) (Pay 6m LIBOR)	-	-	-	10000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000000	10000000
Total RSA	30000000	126675.774	110740851.5	143480027.3	380027.3	83480027.32	2260055	2260054.643	4520109.285	4520109	54520109.29	1520109	1520109	1520109	1520109	1520109	-	-	-	-	443888592.9	443888592.9

Interest rate sensitive Liabilities																						
Liabilities	**O/N**	**O/N - 1mth**	**1 - 3mth**	**3 - 6mth**	**6 -9mths**	**9 -12mths**	**1-1.5yr**	**1.5-2yr**	**2-3yr**	**3-4yr**	**4-5yr**	**5-6yr**	**6-7yr**	**7-8yr**	**8-9yr**	**9-10yr**	**<=15yr**	**<=20yr**	**>20yr**	**Non-sensitive**	**Total RSL**	**Total**
Wholesale Deposits (50% Core, 50% volatile)	75000000	-	-	-	-	-	-	-	75000000	-	-	-	-	-	-	-	-	-	-	-	150000000	150000000
Saving Accounts (80% core and 20% volatile, but pays 1% semi annually, Act/360)	16000000	-	-	-	-	-	-	-	65944160.6	-	-	-	-	-	-	-	-	-	-	-	81944160.6	81944160.6
3m CDs (pay 3m LIBOR + 25 bps, Act/360)	-	-	40000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40000000	40000000
6m Time Deposits (Pay 3.5% , semi annually , Act/360)	-	-	-	40700000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40700000	40700000
1 yr Time Deposits (Pay 4.5%, semi annually, Act/360)	-	-	-	-	-	62730375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62730375	62730375
2 year Time Deposits (Pay 5.5%, semi annually, Act/360)	-	-	-	-	-	-	-	44584850.38	-	-	-	-	-	-	-	-	-	-	-	-	44584850.38	44584850.38
Equity Capital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000000	-	10000000
Total RSL	91000000	-	40000000	40700000	-	62730375	-	44584850.38	140944160.6	-	-	-	-	-	-	-	-	-	-	10000000	419959386	429959386

GAP (RSA-RSL)	-61000000	126675.774	70740851.55	102780027.3	380027.3	20749652.32	2260055	-42324795.73	-136424051.3	4520109	54520109.29	1520109	1520109	1520109	1520109	1520109	-	-	-	-10000000	23929206.87	13929206.87

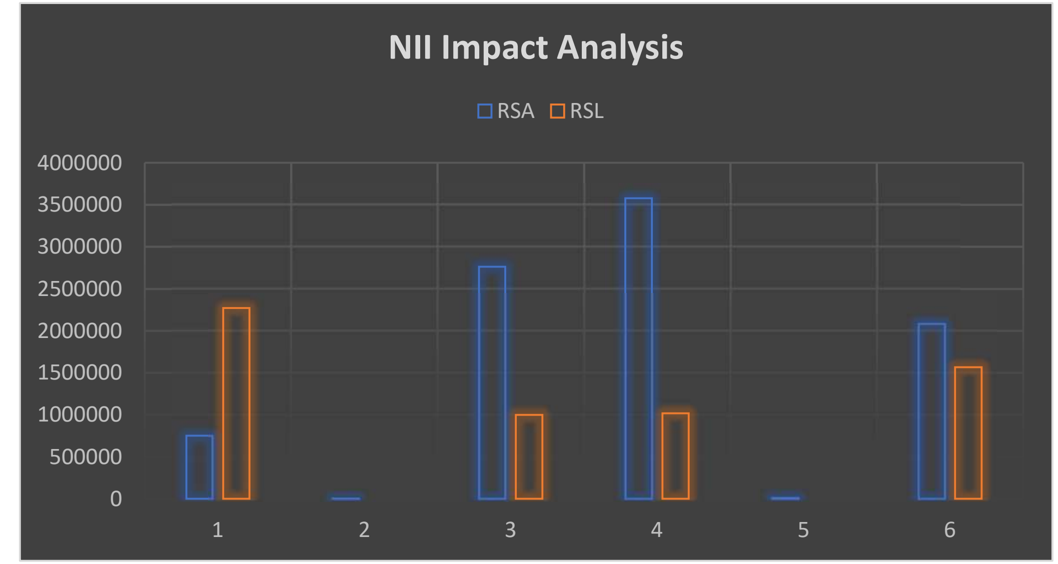


Parallel up	1	2	3	4	5	6		
	O/N	**O/N - 1mth**	**1 - 3mth**	**3 - 6mth**	**6 -9mths**	**9 -12mths**		
Mid point (years)	0.0028	0.0417	0.1667	0.3750	0.6250	0.8750		
Mid point (months)	0.0	0.5	2.0	4.5	7.5	10.5		
NII impact period	12.0	11.5	10.0	7.5	4.5	1.5		
RSA	30000000	126675.774	110740851.5	143480027.3	380027.32	83480027.3	$	36,82,07,609
RSL	91000000	0	40000000	40700000	0	62730375	$	23,44,30,375
NII Impact Asset	747917	3158	2760831	3577037	9474	2081203		
NII Impact Liab.	2268681	0	997222	1014674	0	1563903		

Reinvest. Horizon	7.2537764
Refinance Horizon	8.0548957

Δ NII	$	33,35,141
Capital	$	1,00,00,000
Δ NII %		33.35%

Δ Asset	$	91,79,620
Δ Liabilities	$	58,44,479



Parallel up	Short term rates						Medium term rates							Long term rates						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
	O/N	O/N - 1mth	1 - 3mth	3 - 6mth	6 -9mths	9 -12mths	1-1.5yr	1.5-2yr	2-3yr	3-4yr	4-5yr	5-6yr	6-7yr	7-8yr	8-9yr	9-10yr	<=15yr	<=20yr	>20yr	
Mid point (years)	0.0028	0.0417	0.1667	0.3750	0.6250	0.8750	1.2500	1.7500	2.5000	3.5000	4.5000	5.5000	6.5000	7.5000	8.5000	9.5000	12.5000	17.5000	25.0000	
Mid point (months)	0.0	0.5	2.0	4.5	7.5	10.5	15.0	21.0	30.0	42.0	54.0	66.0	78.0	90.0	102.0	114.0	150.0	210.0	300.0	
Total RSA	30000000	126676	110740852	143480027	380027	83480027	2260055	2260055	4520109	4520109	54520109	1520109	1520109	1520109	1520109	1520109	0	0	0	
Total RSL	91000000	0	40000000	40700000	0	62730375	0	44584850	140944161	0	0	0	0	0	0	0	0	0	0	
Actual: Spot rates	4.20%	4.20%	4.52%	4.33%	4.14%	4.10%	3.92%	3.88%	3.82%	3.86%	3.89%	4.00%	4.05%	4.20%	4.25%	4.30%	4.60%	4.75%	4.87%	
Actual: Spot rates (Df)	0.999885723	0.998287221	0.992659035	0.984229884	0.97496498	0.965451834	0.953072805	0.935554524	0.910536665	0.875852323	0.842205633	0.805965838	0.77254974	0.73450052	0.702026424	0.670346074	0.569972554	0.443919729	0.304591865	
Actual: MVA_A	29996572	126459	109927907	141217331	370513	80595945	2153997	2114404	4115725	3958948	45917143	1225156	1174360	1116521	1067157	1018999	0	0	0	426097138
Actual: MVA_L	90989601	0	39706361	40058156	0	60563156	0	41711558	128334826	0	0	0	0	0	0	0	0	0	0	401363659
Scenario: Spot rates	6.20%	6.20%	6.52%	6.33%	6.14%	6.10%	5.92%	5.88%	5.82%	5.86%	5.89%	6.00%	6.05%	6.20%	6.25%	6.30%	6.60%	6.75%	6.87%	
Scenario: Spot rates (Df)	0.99983292	0.997496725	0.98952812	0.977246379	0.963441996	0.949508898	0.930631042	0.904847973	0.86812169	0.819291381	0.772952369	0.725801299	0.682622543	0.636892485	0.597315825	0.559672525	0.449816044	0.318832097	0.189934897	
Scenario: MVA_A	29994988	126359	109581187	140215337	366134	79265029	2103277	2045006	3924005	3703287	42141448	1103297	1037661	968146	907985	850763	0	0	0	418333908
Scenario: MVA_L	90984796	0	39581125	39773928	0	59563049	0	40342511	122356683	0	0	0	0	0	0	0	0	0	0	392602092

DA	0.988
DL	1.168
Δ EVE	$ 9,58,710

Actual MVE	$ 2,47,33,479
Scenario MVE	$ 2,57,31,816

Δ EVE	$ 9,98,337
Capital	$ 1,00,00,000

Δ EVE %	9.98%

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Parallel up	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Parallel down	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%
Short rate up	3.00%	2.97%	2.88%	2.73%	2.57%	2.41%	2.19%	1.94%	1.61%	1.25%	0.97%	0.76%	0.59%	0.46%	0.36%	0.28%	0.13%	0.04%	0.01%
Short rate down	-3.00%	-2.97%	-2.88%	-2.73%	-2.57%	-2.41%	-2.19%	-1.94%	-1.61%	-1.25%	-0.97%	-0.76%	-0.59%	-0.46%	-0.36%	-0.28%	-0.13%	-0.04%	-0.01%
Long rate up	0.00%	0.02%	0.06%	0.13%	0.22%	0.29%	0.40%	0.53%	0.70%	0.87%	1.01%	1.12%	1.20%	1.27%	1.32%	1.36%	1.43%	1.48%	1.50%
Long rate down	0.00%	-0.02%	-0.06%	-0.13%	-0.22%	-0.29%	-0.40%	-0.53%	-0.70%	-0.87%	-1.01%	-1.12%	-1.20%	-1.27%	-1.32%	-1.36%	-1.43%	-1.48%	-1.50%
Steepener	-1.95%	-1.92%	-1.82%	-1.65%	-1.47%	-1.30%	-1.06%	-0.78%	-0.42%	-0.03%	0.28%	0.52%	0.70%	0.84%	0.96%	1.04%	1.21%	1.31%	1.34%
Flattener	2.40%	2.37%	2.27%	2.10%	1.92%	1.75%	1.51%	1.23%	0.87%	0.48%	0.17%	-0.07%	-0.25%	-0.39%	-0.51%	-0.59%	-0.76%	-0.86%	-0.89%