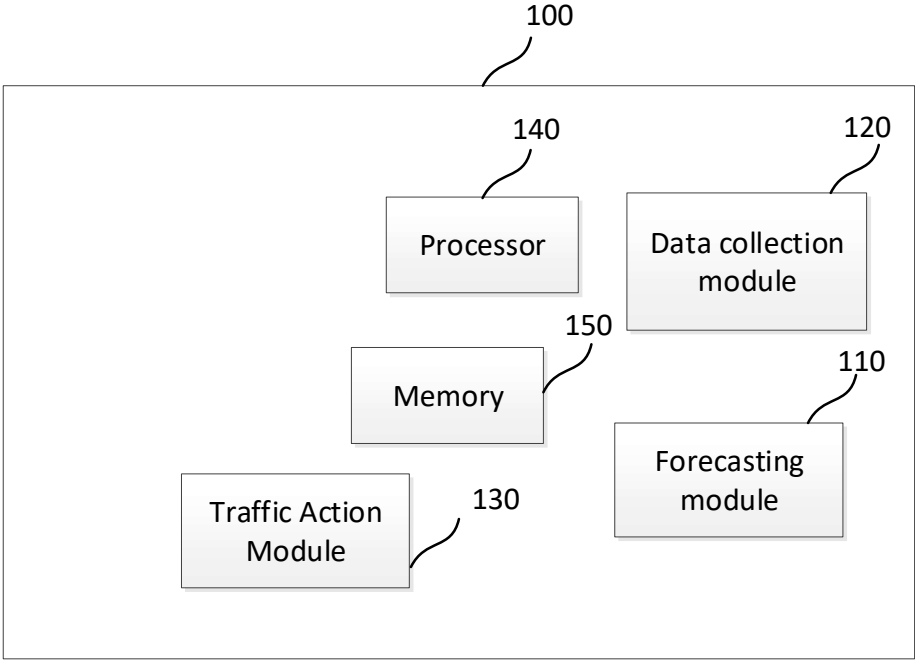


**FIG. 1**



**FIG. 2**

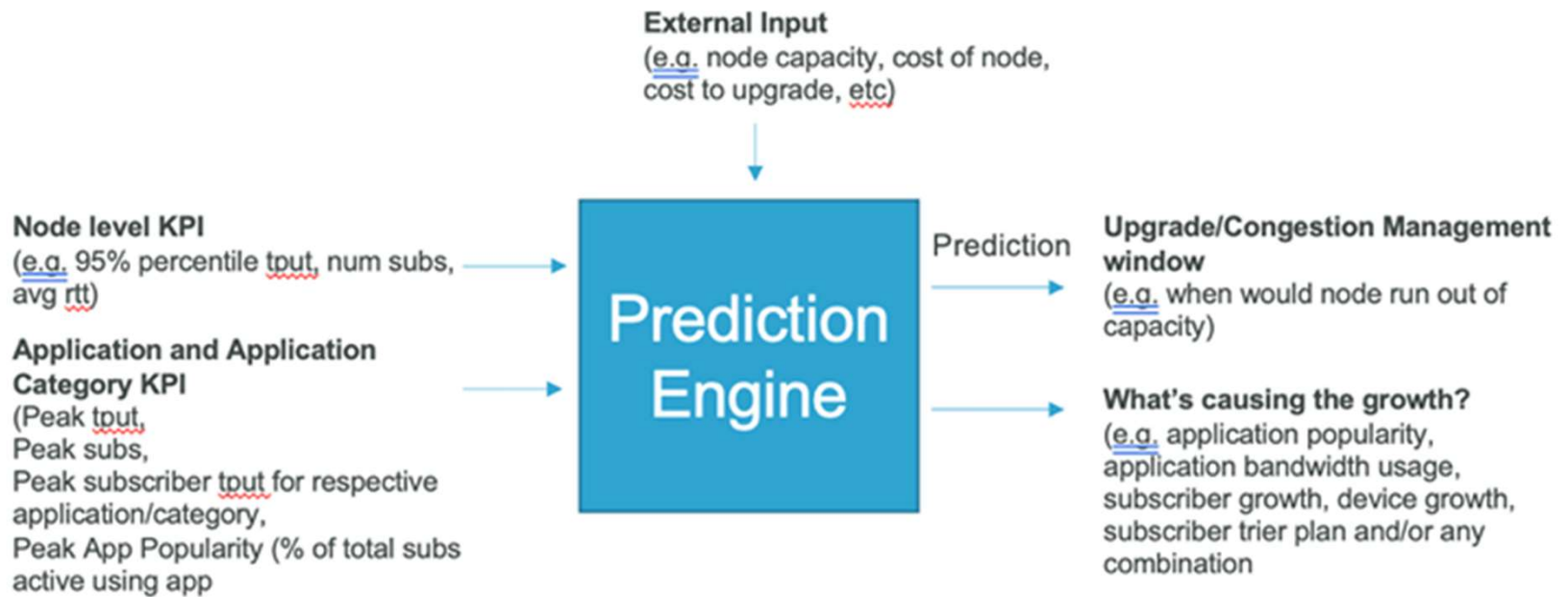


FIG. 3

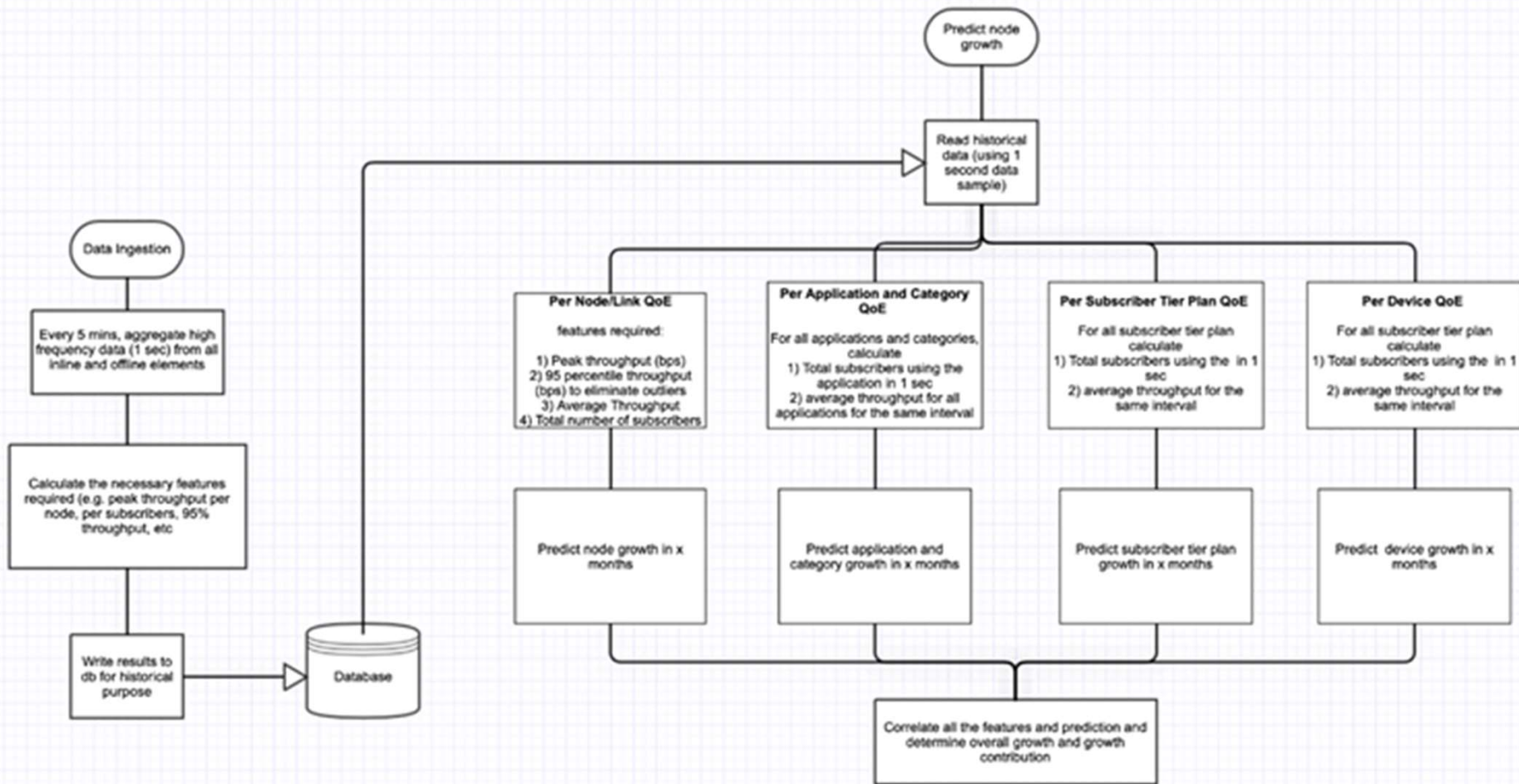


FIG. 4

					History days	273				Prediction	273	
					2021-10-01	2022-01-01	2023-04-01	2022-07-01	Absolute Growth (Gbps)	Growth Rate	Growth Contribution %	2023-03-31
<b>Total (Gbps)</b>					10.3	10.9	11.9	13.5	3.25	31.6%	100%	17.97
<b>Apps (Gbps)</b>					10.3	10.9	11.9	13.5	3.25	31.6%	100%	18.0
NetFlix (Gbps)					3.9	3.9	4.1	5.0	1.13	29.4%	35%	6.5
Youtube					2.9	3.0	3.6	4.0	1.04	35.7%	32%	5.4
ZOOM					1.3	1.4	1.9	2.1	0.77	57.4%	24%	3.3
Others					2.2	2.6	2.3	2.5	0.31	14.0%	9%	2.8
<b>1s Model</b>									1.91		59%	
<b>App Popularity (% of total subs active using app in 1s)</b>									1.30		40%	
Netflix					2.04%	2.04%	2.00%	2.26%	0.40	10.5%	12%	
youtube					1.55%	1.56%	1.68%	1.76%	0.39	13.4%	12%	
Zoom					2.30%	2.40%	3.00%	3.20%	0.52	39.1%	16%	
Others					1.25%	1.49%	1.23%	1.24%	-0.02	-0.8%	-1%	
<b>App Bandwidth (Average 1s per subscriber app volume / 1s)</b>									0.61		19%	
NetFlix (Mbps)					13	13.2	13.5	13.8	0.24	6.2%	7%	
Youtube					13	13.1	13.8	14.1	0.25	8.5%	8%	
Zoom					4	4	4.1	4.1	0.03	2.5%	1%	
Others					12	12.1	12.2	12.5	0.09	4.2%	3%	
<b>5 Min Model</b>									1.91		59%	
<b>App Popularity (% of total subs active using app in 5 minutes)</b>									1.20		37%	
Netflix					8.30%	8.40%	8.20%	8.90%	0.28	7.2%	9%	9.5%
youtube					7.20%	7.30%	7.50%	8%	0.32	11.1%	10%	8.9%
Zoom					2.30%	2.40%	3%	3.20%	0.52	39.1%	16%	4.5%
Others					30%	30%	30%	31%	0.07	3.3%	2%	32.0%
<b>App Bandwidth (Average 5 min per subscriber app volume / 5 minutes)</b>									0.71		22%	
NetFlix (Mbps)					3.2	3.2	3.3	3.5	0.36	9.4%	10%	3.83
Youtube					2.8	2.8	3.1	3.1	0.31	10.7%	1%	3.43
Zoom					4	4	4.1	4.1	0.03	2.5%	0%	4.20
Others					0.5	0.6	0.5	0.5	0.00	0.0%	0%	0.50
<b>Sub count</b>					14900	14520	15300	16000	1.34	10.3%	41%	17655
<b>Tiers</b>									Synthesis			
Gold					30%	30%	31%	32%	Grew 3.25 Gbps or 31.6% in our lookback wind That growth, came from: NetFlix (35%), Youtube (32%)... and Sub growth 41% Additional color: NetFlix popularity drove 9% of growth, NetFlix tput 10%, youtube popularity 10%, ...			
Silver					60%	60%	59%	59%				
Bronze					10%	10%	10%	9%				
<b>Devices</b>									In 3 qtrs, traffic is projected to hit 17.97, which is another 31.6% growth...			
Iphone 12					12%	11%	10%	9%				
Samsung Galaxy Flip Z4					3%	6%	8%	12%				
Iphone 13					12%	14%	20%	25%				
Iphone SE					23%	25%	27%	30%				
Others					50%	44%	35%	24%				

FIG. 5