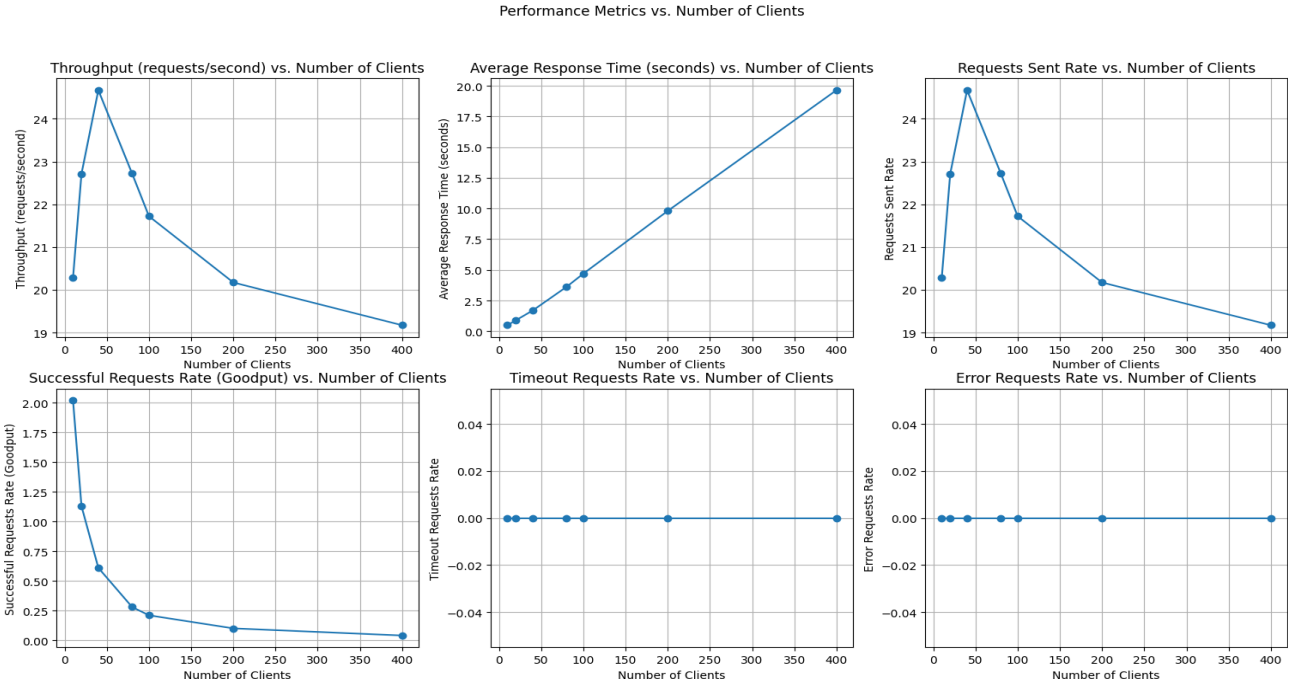
Performance Metric of V3:-

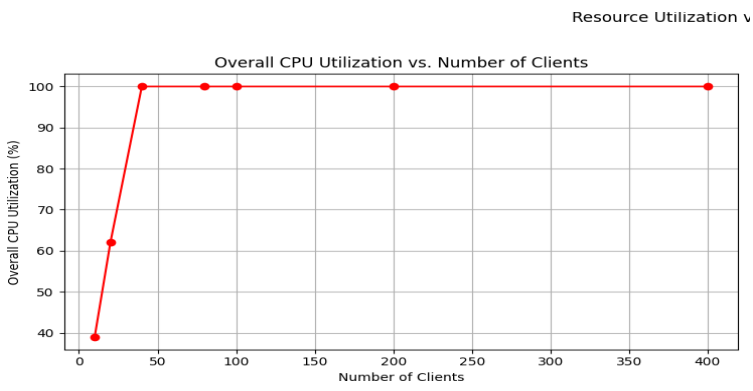
	A	B	C	D	E	F	G	H	I	J
1	Num Clients	Throughput	Avg Response Time	Requests Sent Rate	Successful Requests Rate	Timeout Requests Rate	Error Requests Rate	Average Active Threads	Overall CPU Utilization	Average Request in Queue
2	10	20.28	0.49	20.28	2.02	0	0	1	39	1.25
3	20	22.71	0.89	22.71	1.13	0	0	1	62	3.42
4	40	24.67	1.69	24.67	0.61	0	0	1	100	10.46
5	80	22.72	3.61	22.72	0.28	0	0	1	100	31.08
6	100	21.72	4.69	21.72	0.21	0	0	1	100	44.35
7	200	20.17	9.8	20.17	0.1	0	0	1	100	87.02
8	400	19.17	19.64	19.17	0.04	0	0	1	100	191.22
9										

Figures:-



Observations:-

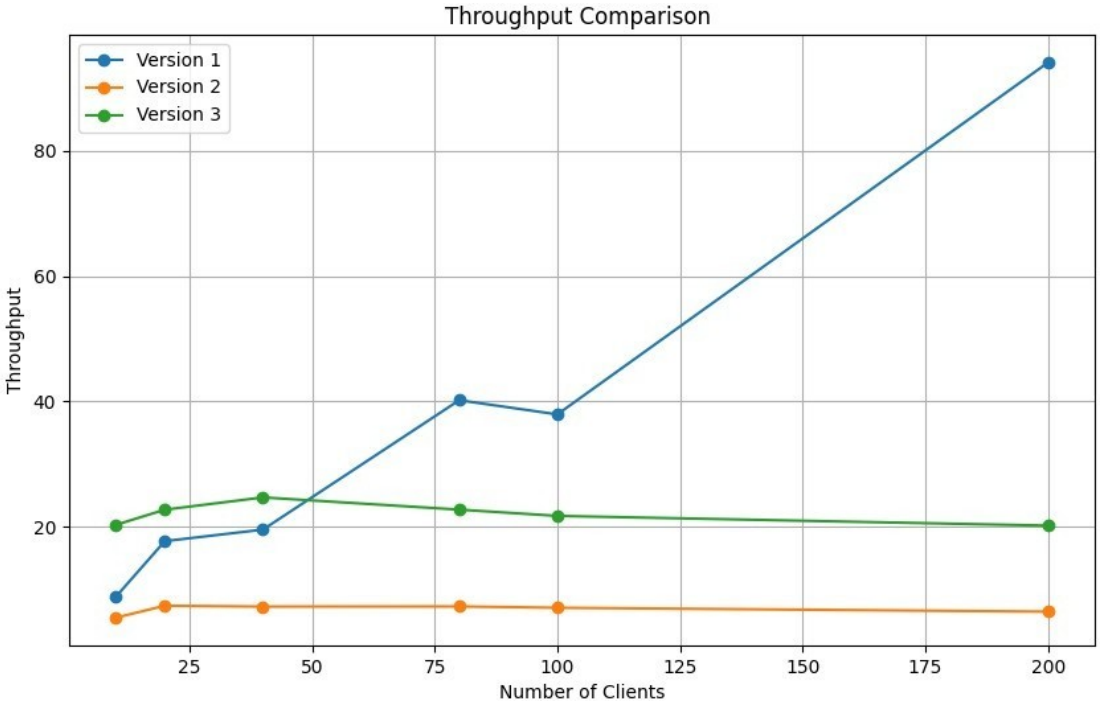
- Throughput decreases after some point of time with Average Response Time increases.



Observations:-

- CPU utilization becomes 100% after certain point of time.
- Average number of Threads are fixed (in our case 16) as thread pool size is fixed.

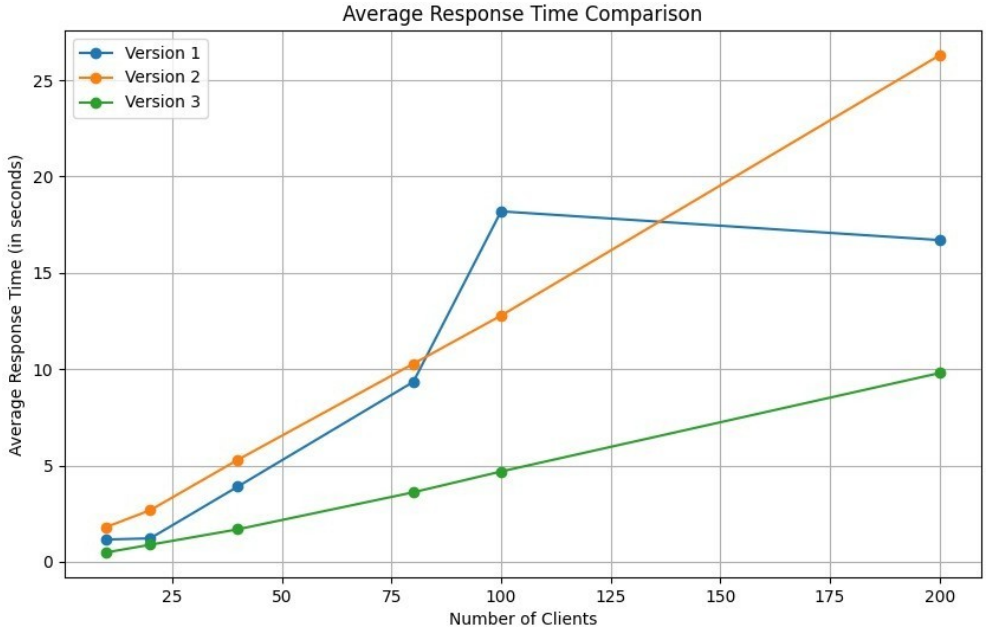
<u>Throughput comparsion between V1, V2 & V3:-</u>



Observations:-

- Throughput remains saturated for V2 and V3 but increasing in V1.

<u>Average Response Time comparsion between V1, V2 & V3:-</u>



Observations:-

- Average Response Time less in V3 as compare to other Versions.

Average number of requests in a queue:-