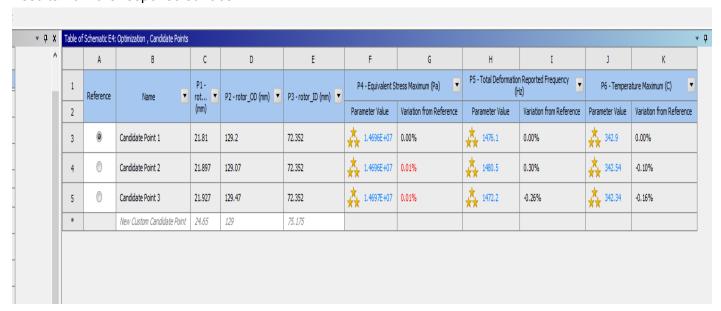
Verification:

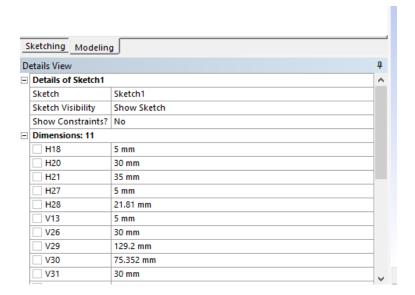
As we know that we got the optimum values from the response curve and not by performing the actual simulation. So, we are verifying the result points by calculating the error between the simulated result and result from the response surface.

Results from the response surface:

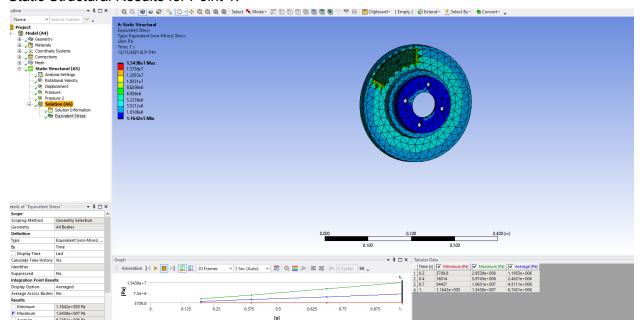


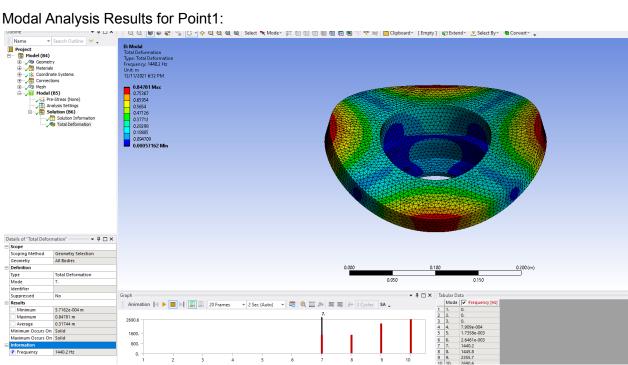
Verifying Point1:

Changing the dimensions of the geometry as per the point 1

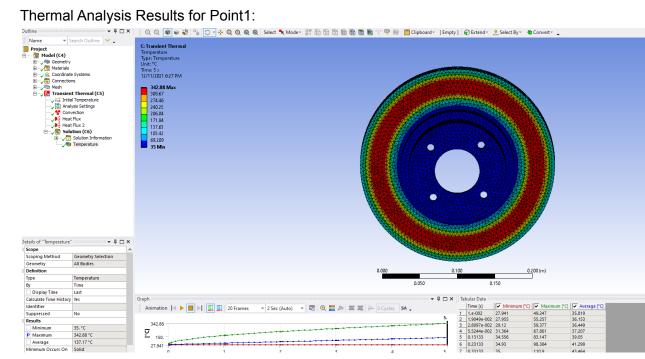


Static Structural Results for Point 1:





Thermal Analysis Results for Point1:

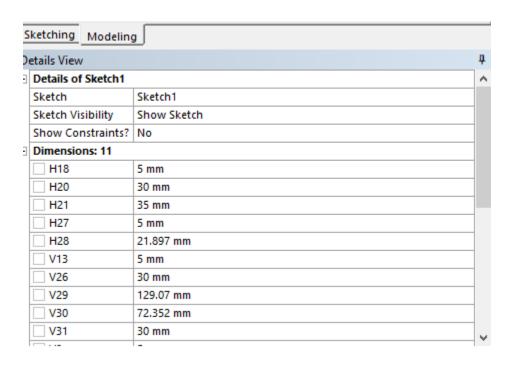


	Disc	Outer	Inner	Von Mises Stress	Frequency	Temperature
	Thickness	Diameter	Diameter	(10^7)Pa	(Hz)	(deg C)
Point1	21.81	129.2	75.352	1.4696	1476.1	342.9
Verificati						
on				1.5438	1440.2	342.88
% Error				4.81	-2.49	-0.01

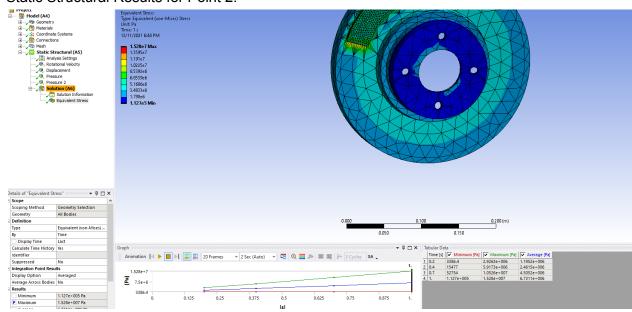
As we can observe that for point 1 both values are almost the same.

Verifying Point2:

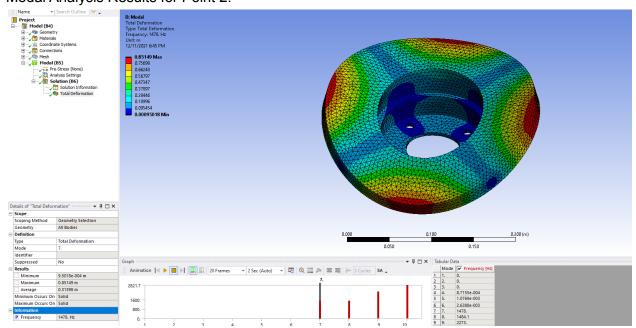
Changing the dimensions of the geometry as per the point 2



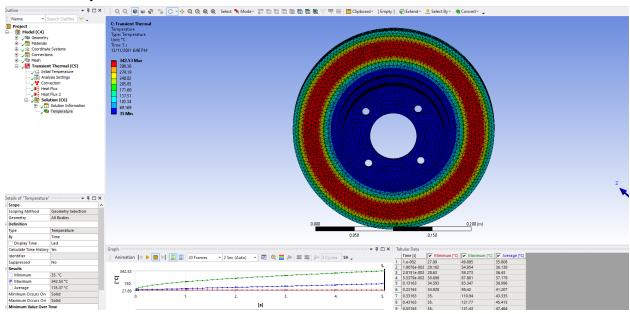
Static Structural Results for Point 2:



Modal Analysis Results for Point 2:



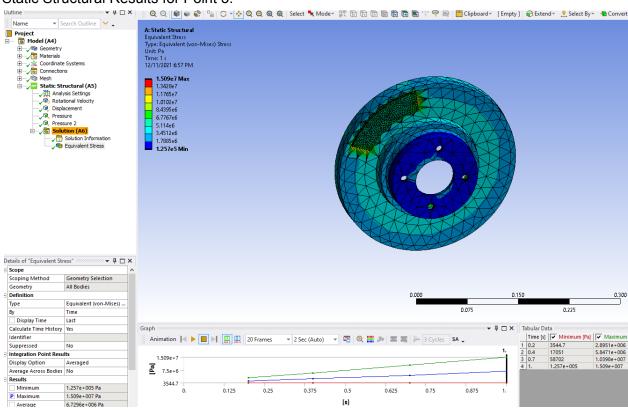
Thermal Analysis Results for Point2:



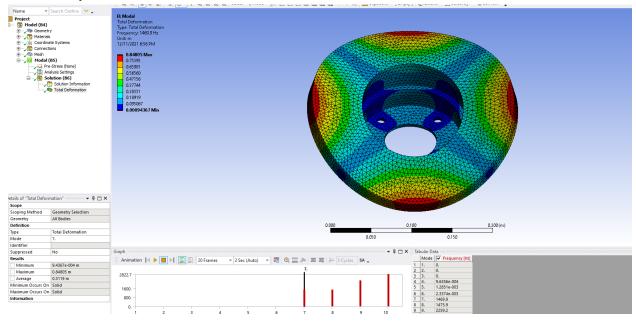
	Disc	Outer	Inner	Von Mises Stress	Frequency	Temperature
	Thickness	Diameter	Diameter	(10^7)Pa	(Hz)	(deg C)
Point2	21.897	129.07	72.352	1.4696	1480.5	342.54
Verificat						
ion				1.528	1478	342.53
% Error				3.82	-0.17	0.00

As we can observe that for point 2 both values are almost the same.

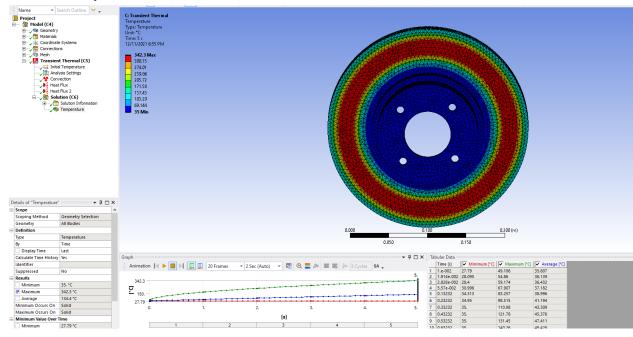
Static Structural Results for Point 3:



Modal Analysis Results for Point 3:



Thermal Analysis Results for Point3:



	Disc	Outer	Inner	Von Mises Stress	Frequency	Temperature
	Thickness	Diameter	Diameter	(10^7)Pa	(Hz)	(deg C)
Point1	21.927	129.47	72.352	1.4697	1472.2	342.34
Verificat						
ion				1.509	1469.9	342.3
% Error				2.6	-0.2	0.0

As we can observe that for point 3 both values are almost the same.

Final Verification Table:

	Disc					
	Thickne	Outer	Inner	Von Mises Stress	Frequenc	Temperature
	SS	Diameter	Diameter	(10^7)Pa	y(Hz)	(deg C)
Point1	21.81	129.2	75.352	1.4696	1476.1	342.9
Verificati						
on				1.5438	1440.2	342.88
% Error				4.81	-2.49	-0.01
Point2	21.897	129.07	72.352	1.4696	1480.5	342.54
Verificati						
on				1.528	1478	342.53
% Error				3.82	-0.17	0.00
Point3	21.927	129.47	72.352	1.4697	1472.2	342.34
Verificati						
on				1.509	1469.9	342.3
% Error				2.6	-0.2	0.0
			Avg Error	3.74	-0.94	-0.01

Therefore, the average error for von mises stress is 3.74%, natural frequency is 0.94% and Max Temperature is 0.01%.