**Data Table:**

print(df)

Amount of Training images Accuracy

1 100 0.413606

2 200 0.512358

3 300 0.788308

4 400 0.759295

5 500 0.848891

6 600 0.901313

7 700 0.903642

8 800 0.886875

9 900 0.86511

10 1000 0.914932

11 1250 0.941617

12 1500 0.943744

13 1750 0.945631

14 2000 0.950448

15 2250 0.959429

16 2500 0.955078

17 2750 0.96021

18 3000 0.966228

19 3250 0.96652

20 3500 0.964212

21 3750 0.968551

22 4000 0.968911

23 4250 0.970726

24 4500 0.966757

25 4750 0.942335

26 5000 0.9728

**Graph:**

*#Line Graph*

line\_graph = df.plot(kind='line',x='Amount of Training images',y='Accuracy',color='red', xticks=[100,200,300,400,500,600,700,800,900,1000,1100,1200,1300,1400,1500,1600,1700,1800,1900,2000,2100,2200,2300,2400,2500,2600,2700,2800,2900,3000,3100,3200,3300,3400,3500,3600,3700,3800,3900,4000,4100,4200,4300,4400,4500,4600,4700,4800,5000],

yticks=[0.5,0.10,0.15,0.20,0.25,0.30,0.35,0.40,0.45,0.50,0.55,0.60,0.65,0.70,0.75,0.80,0.85,0.90,0.95,1.00], figsize=(25,10))

line\_graph.set(title="How changing the amount of Training data impacts the accuracy", xlabel="Amount of training images", ylabel="Accuracy in decimal(%)")

plt.show()

