





TSSM Page No.	The state of
3 See See See See See See See See See Se	
-It works in a top-Down approach.	knapsackif
Advantages of Greedy Approach!	.It is colve
- The algorithm is easier to describe.	Time Con
- This algorithm can perform better than other algorithm	The main in decrea
knapsack Problem:	
You are given the following -	then phi
- A knapsack with limited weight rapacity.	The av
- few items each having some weight & value.	
knapsack Problem Variants:	- Thereto Olnlog
knapsack Problem has the following two variants:	Condusia
1. Fractional knapsack Problem.	
2.0/1 knapszik problem.	In this
Fractional knapsack problem -	
	Padh
In Fractional knapsack problem-	
- As As	
- As the name suggests, item are dinsible here	
an even put the fraction of	
- We can even put the fraction of any item into	

knapsack if taking the complete item is not possible. . It is colved wing the greedy method. Time Complexity: her algorithm. The main time taking estep is the costing of all items in decreasing order of their value / weight ratio. - If the items are already arranged in the required orders
then shile loop takes O(n) time. The average time complexity of quick sort is - Therefore total time taken including the cont is o (nlog n). Conclusion : In this way, we have explored the concept of fractional knapsark using greedy method. (Padhavar