CS 6301.502

Implementation of Advanced Data Structures and Algorithms

Short Project 1 : Sorting Algorithms Run Time Analysis

G 50 : Varun Simha Balaraju, Jithin Paul ,Sunit Mathew
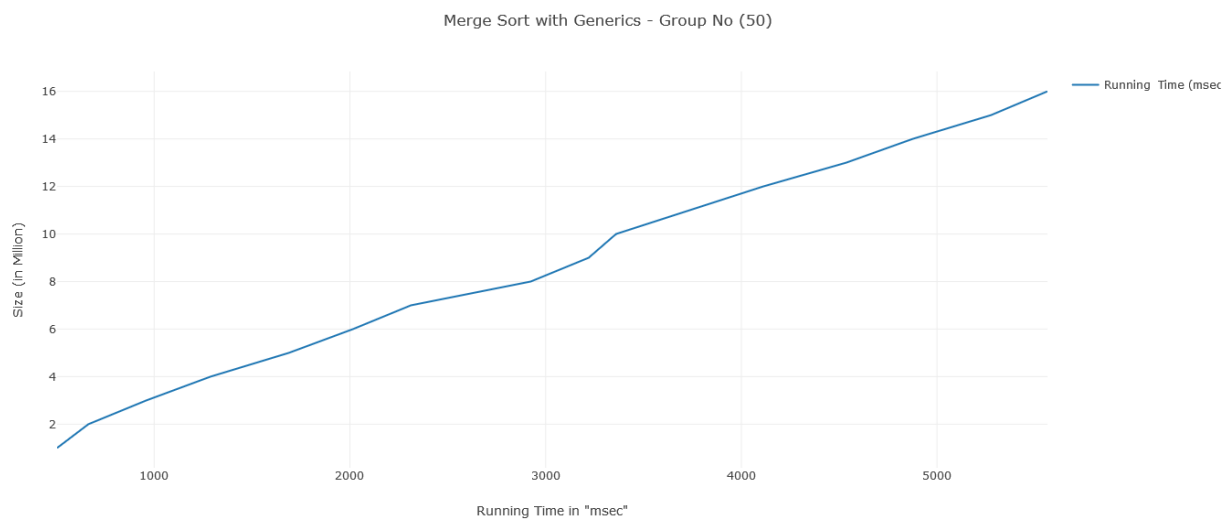
and Venkata Sarath Chandra Prasad.

Report :

Running time comparison :

Note: Default value below is in "milliseconds".

Size (in million)	Merge Sort (Generics)	Merge Sort (No Generics)	Insertion Sort
1	395	141	>2 mins
2	562	204	>2 mins
5	1485	516	>2 mins
10	3016	1094	>2 mins
16	5031	1890	>2 mins

Plots :

Merge Sort with Generics - Group No (50)

Merge Sort - No Generics- Group No- 50

Size (in Million) vs Run time in "msec"