M.Sc C.S - I
SEM I
E-Journal

Roll No.	027
Name	OJHA ABHISHEK DEVMANI
Subject	DESIGN ANALYSIS AND ALGORITHM

Thakur Educational Trust's (Regd.)
Thakur College of Science & Commerce
UGC Recognised • Affiliated to University Of Mumbai
(NAAC Accredited with Grade "A" [3rd Cycle] & ISO 9001:2015 Certified)

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CERTIFICATE

This is here to certify that Mr. **OJHA ABHISHEK DEVMANI**, Seat Number **027** of M.Sc. I Computer Science, has satisfactorily completed the required number of experiments prescribed by the UNIVERSITY OF MUMBAI during the academic year 2021 – 2022.

Date:
Place: Mumbai

Teacher In-Charge   Head of Department

External Examiner

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Sr. No.	Practical Name	Date
1	Write a program to implement insertion sort and find the running time of the algorithm.	27th Aug 2021
2	**2.A** Write a program to implement merge sot algorithm. Compare the time and memory complexity. **2.B** Difference between Merge Sort and Insertion Sort.	27th Aug 2021
3	Write a program on Strassen's algorithm for matrix multiplication and analyze its complexity.	14th Sep 2021
4	Implement hiring problem and analyze its complexity.	22th Sep 2021
5	Write a program to implement Longest Common Subsequence (LCS) algorithm	24th Sep 2021
6	Write a program to implement Huffman's code algorithm	7th Oct 2021
7	Write a program to implement Kruskal's algorithm.	23rd Oct 2021
8	Write a program to implement Dijkstra's algorithm	23rd Oct 2021
9	Write a program to implement multi threaded computation concepts in the generation of Fibonacci numbers	12th Oct 2021
10	Write a program to implement multi threaded computation concepts in the generation of Fibonacci numbers	30th Nov 2021