Algorithmic Problem Solving (17ECSE309)

Presentation Topics

Si. No.	Topic	Selected By
1.	Pigeon Hole Principle	Akash B
2.	Heap's algorithm for Permutation Generation	Swati S S
3.	Strassen's matrix multiplication	Sarvesh
4.	Blooms filter	Pooja S G
5.	Travelling Salesperson Problem	Vishal M N
6.	Multiplication of Large integers – Divide&Conquer	Ananth M B
7.	The Game of Nim	Apoorva
8.	Horner's Rule	Rajesh S
9.	Closest-Pair Problem	Abhishrey
10.	Fake Coin Problem	Yogesh
11.	Russian Peasant Method	Aakash H
12.	Josephus Problem	Sarjith M
13.	Interpolation Search	Prajakta
14.	Sorting by Counting	Anup V T
15.	N Queens Problem	Shivukumar
16.	Lucas Theorem	Sanath V
17.	Fermat Little Theorem	Akshay M G
18.	Legendre's formula	Abhijeet G
19.	Stein's Algorithm	Vaishnavi
20.	Pollard's Rho Algorithm for Prime Factorization	Sujay
21.	Sphenic Number	Om
22.	Catalan Numbers and Applications	Prathamesh
23.	Binomial Coefficient	Aniket P
24.	Wilson's Theorem	Prashant
25.	Juggler Sequence	Akash P
26.	Padovan Sequence	Priyanka H
27.	Carol Number	Akhila
28.	Kaprekar Number	Anoop K
29.	Keith Number	Aditya V
30.	Carmichael Numbers	Tejas A
31.	Huffman Coding	Pooja H P
32.	Eulerian path and circuit	Pavan Kumar
33.	Quick Sort	Abhay K
34.	Euler Circuit in a Directed Graph	Ashreet
35.	Graph Coloring	Veeresh
36.	Vertex Cover Problem	Anup P
37.	Hamiltonian Cycle	Rahul J
38.	Bipartite graph	Himanshu