



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

Accredited by NAAC with 'A' Grade, Accredited by NBA (B.Tech., -ECE, EEE & Mech : 2024-2027)
(Approved by AICTE & and UGC, New Delhi & Affiliated to JNTUA, Anantapur.)
3rd Mile, Nellore - Bombay Highway, Gangavaram (V), Kovur (M), S.P.S.R. Nellore Dt, Andhra Pradesh - India. 524 137
website: gist.edu.in / e-mail: geethanjali@gist.edu.in.



TRAINING , PLACEMENTS & CAREER GUIDANCE CELL

III-II Premium Batch Training Syllabus AY : 2025 -26

Training Partner : Codenow Academy Pvt. Ltd

Module No.	Advance Coding Topic-Wise Details Phase - III	Lecture Hours
1	Divide and Conquer Algorithms	4
2	Graph Algorithms – Implicit Graphs (BFS, DFS, Topological Sort)	6
3	Graph Algorithms – Explicit Graphs + Union-Find (Disjoint Set Union)	6
4	Graph Algorithms – Weighted Graph Problems (Prim's, Kruskal, Dijkstra,	12
5	Heap – Implementation and Applications to Problem Solving	5
6	Advanced String Problems – Pattern Matching, Tries	6
7	Advanced Problems – Linked Lists, Trees, Interval Based Problems	6
8	Doubt Clearing + Practice Session on Greedy	3
9	Doubt Clearing + Practice Session on DP-1 (Intro + Classic DP)	5
10	Doubt Clearing + Practice Session on DP-2 (Advanced DP)	6
11	Doubt Clearing + Practice Session on Graph	4
12	Practice – CodeVita Problems	6
13	Practice – HackWithInfy Problems	6
14	Practice – Amazon WoW Problems	6
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