

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

A BRIEF REPORT ON TECHNICAL TALK: META -HEURISTICS

SPEAKER: DR.SURESH,

AUDIENCE: VI SEMESTER CSE

DATE:18-05-17

Following topics were discussed by Dr.SURESH

- This talk was related to one of the subject in 6th semester – Operations & Research.
- Brief introduction about heuristics and Meta-heuristics and how it is applied in a practical sense.
- The main focus was on nature of Meta-heuristics and its algorithms like Genetic algorithm, Simulated Annealing and Tabu search algorithms.
- Heuristic Search Techniques: blind search and Weak Techniques.
- Brief idea about a rule of thumb for deciding which choice might be best, Choice of heuristics depends on knowledge of the problem space and Heuristics may be used to determine the specific rules for solution generation.
- How heuristic methods are used to determine the specific rules for solution generation.
- Brief knowledge on Generate-and-test technique with Travelling Salesman problem as the example.
- Students were briefed about the key features of Meta-heuristics and how the algorithms can be applied to find the optimal solutions for different problems.
- The session imparted the importance of the Meta heuristics in Operations and Research.

