

Nature Inspired Learning

An expert session on 'nature inspired learning' was organized for the students of computer science department, on Saturday, 19th July, 2019. Dr. Vijay Kumar, Prof. School of Science and system sciences, Jawaharlal Nehru University, conducted the session. He talked as to how the intelligence shown by the animals and birds in the day to day problem solving scenarios, can be applied to various AI techniques. The learning inspired by the nature and behavior of the creatures of nature can guide the computer science scientists. He mainly focused on the behavior shown by ants, honey bee and birds. The algorithms such as genetic algorithm, swarm intelligence, bird migration algorithm and simulated annealing were discussed. Classification of these algorithms into NP-Hard and NP-Complete was also discussed. He also explained Mutation, inversion and cross over with respect to genetic algorithms.

Around 50-70 students and 15 faculties of department of computer science took benefit of the session. They appreciated the session and termed it as very informative.