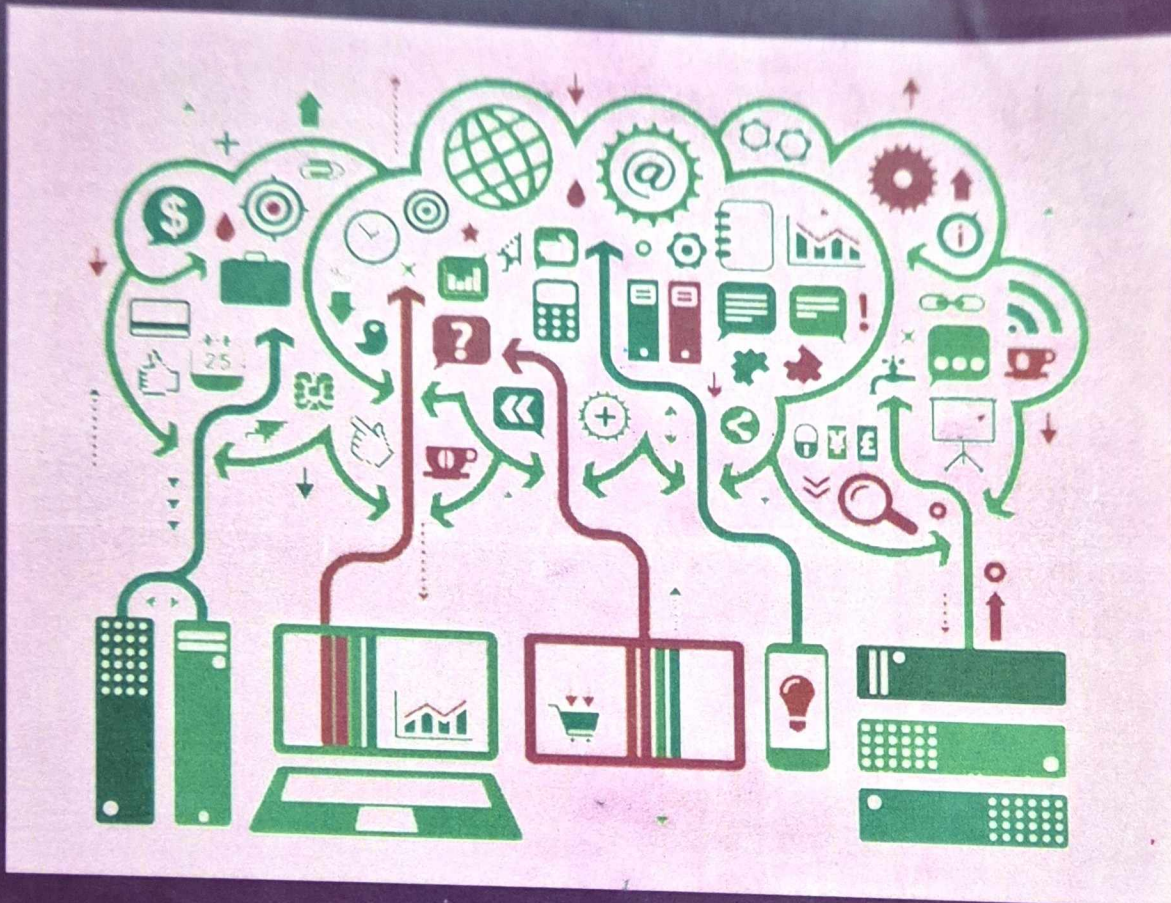


Evolution of Federated Machine Learning

(Volume - 3)



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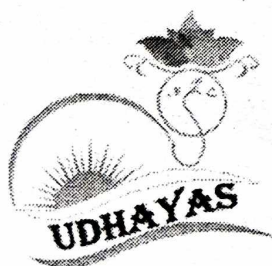
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3. EXPLORING THE FASCINATING WORLD OF GRAPH COLORING

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ABSTRACT:

Graph theory helps us to develop the solution to various real-life physical problems. Graphs have a very important application in modelling communications networks. Graph coloring is an effective technique to solve many practical as well as theoretical challenges. In this paper, we have presented applications of graph theory especially graph coloring in team-building problems, scheduling problems, and network analysis.

Keywords: Graph coloring, Application of graph coloring.

INTRODUCTION:

Graph coloring is a captivating and fundamental topic in the field of graph theory, which involves assigning colors to the vertices