

ABSTRACT

The present disclosure provides a human resource allocation method based on advanced planning and scheduling, including the steps of: obtaining planning and scheduling information, where the planning and scheduling information includes order data, human resource data, and traffic data; obtaining a target scheduling mode and corresponding adjustment parameters for the target scheduling mode; obtaining a scheduling scheme data model corresponding to the target scheduling mode and a functional relationship between order completion time and required human resources; and substituting the planning and scheduling information into the scheduling scheme data model and the functional relationship between order completion time and required human resources, and solving a target mathematical model for scheduling schemes corresponding to the target scheduling mode in combination with the adjustment parameters to obtain a target scheduling scheme. The present disclosure can flexibly determine the target scheduling scheme based on the planning and scheduling information, thereby improving the efficiency of human resource allocation.

Fig. 2 for publication