



## WEIGHT BASED TECHNIQUE FOR FAULT TOLERANCE IN DCS

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**Abstract** – Abstract: Distributed systems play an important role on achieving good performance and high system utilization. The goal of a job scheduling system is to efficiently manage the distributed computing power of workstations, servers, and supercomputers in order to maximize job throughput and system utilization. There are many issues of distributed computing system which are discussed in this paper in brief. The main aim of the paper is to focus on fault tolerance and recover fault with less processing time. The proposed algorithm is assign tasks to other nodes only when master node moves from its original position. The major problem in this architecture is task scheduling, if one slave node get failed the task allocated by master node will not get completed and fault occurred. In this work, we have worked on technique which helps to reduce fault tolerance of the system and increase performance of the system.

**Keywords** - Distributed systems. Task allocation, job scheduling, and scalability