

## **OBSTACLES AMIDST ROBOTS**

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### **Abstract**

The paper presents an approach to the problem of finding the shortest path among the group of mobile robots moving by overtaking static obstacles so as to reach its destination. Shortest path is the criteria, by which only straight lines are considered and these lines with lengths goes on changing its direction as it comes across the obstacles. A suitable technique is developed with simulation for avoidance of obstacles. The paper examines that from any arbitrary position, if all the robots are moving simultaneously, the assigned tasks will be accomplished counteracting with the obstacles and also the boundaries.

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**Keywords:** Shortest Path, Diversion, Alternative Path, Static Obstacle

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