Abstract

Swarm robots are a new approach in the robotic system. This idea of Swarm Robots is designed from the idea of small insects. Swarm robots can work co-ordinately and achieve its common goal. Self-organizing map (SOM)-based on the multi robots that have self-organizing criteria, Co-ordination and that can also be approached for dynamic environment. It can control number of robots and achieves different task locations randomly and gets its initial locations and directions.

References


5. R. Ramaya, ”Robotic Swarm Finding Shortest Path In am Unknow Environment”, 2nd IEEE International Conference on Engineering and Technology (ICETECH), 17th & 18th March 2016, Coimbatore, TN, India.


21. AUTHORS
22. First Author- Judith R. Peters, BE(Computer Engg), Sinhgad Academy Of Engineering ,Kondhwa (BK), Pune-48 judithpeters07@gmail.com
23. Second Author- Saurabh S. Lokhande, BE(Computer Engg), Sinhgad Academy Of Engineering ,Kondhwa (BK), Pune-48 saurabhlokhande9@gmail.com
24. Third Author- Yash S. Yawalkar BE(Computer Engg), Sinhgad Academy Of Engineering ,Kondhwa (BK), Pune-48 yashsyawalkar@gmail.com
25. Fourth Author- Prof.Bhushan S. Thakare
26. (Computer Engg), Sinhgad Academy Of Engineering ,Kondhwa (BK), Pune-48
27. bstthakare.sae@sindhgad.edu

Index Terms

Computer Science        Automated Systems

Keywords

Co-operative control, Wi-Fi bot, Swarm Robotics, Swarm Intelligence, Computational Swarm Intelligence.