



# INTERNATIONAL SCIENCE AND RESEARCH JOURNALS

*The Board Of  
International Journal Of Advance Research in*  
Computer Science Engineering and Information  
Technology

*In hereby Awarding this Certificate to*

A.Alad Manoj Peter  
Aswinkumar.R,Jawahar.V

*In Recognition of Publishing Paper entitled*

Path identification between cluster heads using A-star and K-means algorithm with obstacle mapping

*Published In International Journals*

*Volume*

4

*Issue*

3

Special Issue 2 01 Apr 16

Chief Editor  
ISR Journals & Publications