

## **CERTIFICATE**

It is certify that the paper entitled by "A Survey of Some Human-Based Meta-Heuristic Algorithms" is accepted for further publication in International Journal of Engineering Inventions (IJEI).

#### Paper has published with following details:

Authors Name : M.M.Saber

Journal Name : International Journal of Engineering Inventions (IJEI)

Journal URL : www.ijeijournal.com

Review Type : Peer Reviewed Journal

Publication Type : Online & Print both

ISSN No. : 2278-7461 (Online); 2319-6491 (Print)

Vol No. : 12

Issue No. : 05 (May 2023)





### **CERTIFICATE**

It is certify that the paper entitled by "A Survey of Some Human-Based Meta-Heuristic Algorithms" is accepted for further publication in International Journal of Engineering Inventions (IJEI).

#### Paper has published with following details:

Authors Name : M.A.El Sayed

Journal Name : International Journal of Engineering Inventions (IJEI)

Journal URL : www.ijeijournal.com

Review Type : Peer Reviewed Journal

Publication Type : Online & Print both

ISSN No. : 2278-7461 (Online); 2319-6491 (Print)

Vol No. : 12

Issue No. : 05 (May 2023)





## **CERTIFICATE**

It is certify that the paper entitled by "A Survey of Some Human-Based Meta-Heuristic Algorithms" is accepted for further publication in International Journal of Engineering Inventions (IJEI).

#### Paper has published with following details:

Authors Name : A.N. Meshref

Journal Name : International Journal of Engineering Inventions (IJEI)

Journal URL : www.ijeijournal.com

Review Type : Peer Reviewed Journal

Publication Type : Online & Print both

ISSN No. : 2278-7461 (Online); 2319-6491 (Print)

Vol No. : 12

Issue No. : 05 (May 2023)





## **CERTIFICATE**

It is certify that the paper entitled by "A Survey of Some Human-Based Meta-Heuristic Algorithms" is accepted for further publication in International Journal of Engineering Inventions (IJEI).

#### Paper has published with following details:

Authors Name : M.A.Elsisy

Journal Name : International Journal of Engineering Inventions (IJEI)

Journal URL : www.ijeijournal.com

Review Type : Peer Reviewed Journal

Publication Type : Online & Print both

ISSN No. : 2278-7461 (Online); 2319-6491 (Print)

Vol No. : 12

Issue No. : 05 (May 2023)

