It is here by certified that the paper ID : IJRASET11124, entitled
Comparing Performance of Various Optimization Algorithms for
Effective Information Retrieval – A Review
by Tahera Shaikh
after review is found suitable and has been published in
Volume 5, Issue XI, November 2017
in International Journal for Research in Applied Science &
Engineering Technology
Good luck for your future endeavors

Editor in Chief, iJRASET
It is hereby certified that the paper ID: IJRASET11124, entitled "Comparing Performance of Various Optimization Algorithms for Effective Information Retrieval – A Review" by Shiwani Gupta, after review is found suitable and has been published in Volume 5, Issue XI, November 2017 in International Journal for Research in Applied Science & Engineering Technology.

Good luck for your future endeavors.

Editor-in-Chief, iJRASET