Volume 1, Issue 10, October 2010

By IJSER Editorial Board

IJSER is proud to announce the publication of the first volume and issue 10 for the year 2010 of the International Journal of Science & Engineering Research. This Journal provides a glimpse into a few of the many high quality research activities conducted by the talented researchers around the world. The Journal is a compilation of outstanding papers from numerous disciplines submitted by students, researchers and scientists who have been involved in research, scholarly, and creative activities. The papers are through with an enhanced skill set, including better problem solutions, critical thinking, and team-working skills. Since many researchers who are highly qualified in their region, support of academic and research has a direct and positive impact on the upcoming researchers. We would like to express our sincere thanks to all those scientists for choosing IJSER from the first volume of the Journal since year 2010 and making it to the tenth month of 2010 now. We would like to especially thank the editorial members of the IJSER team for their constant support over past year and also a welcome to the new members joining the team. Many thanks to the paper review committee for their constant support in timely reviewing the papers to the best of their expertise knowledge. The support from prominent regional businesses and organizations is greatly appreciated and essential for the advancement of research and journal wellbeing. There is a wide range of paper submission all the way from technology to social science titles like "*Server Consolidation: An Approach to Make Data Centers Energy Efficient and Green*" by Mueen Uddin, Azizah Abdul Rehman detailing about This paper focuses on the use of an emerging technology called virtualization to achieve energy efficient data centers by providing a solution called server consolidation. It increases the utilization ratio up to 50% saving huge amount of energy and extended to the deep technical titles like "*FPGA Implementation of Optimized DES Encryption Algorithm on Spartan 3E*" by Amandeep Singh, Ms. Manu Bansal details Data Security is an important parameter for the industries. It can be achieved by Encryption algorithms which are used to prevent unauthorized access of data. Cryptography is the science of keeping data transfer secure, so that eavesdroppers (or

attackers) cannot decipher the transmitted message. In this paper the DES algorithm is optimized using Xilinx software and implemented on Spartan 3E FPGA kit. The paper deal with the various parameters such as variable key length, key generation mechanism, etc used in order to provide optimized results.

To learn more, please visit http://www.ijser.org/ We would like to thank all the contributing authors for providing such a rich variety of outstanding research articles on a broad range of exciting topics. We also would like to thank Graphic Designer and web administration for designing the outstanding coverage and web maintenance of this volume of the Journal.

If you have any questions or comments about the Journal, or would like to receive a printed copy of the most recent volume of the Journal, please contact the Editor board from http://www.ijser.org/contact-us.aspx. The Journal is available online, please visit the following website: http://www.ijser.org/.

Enjoy!
The Editorial Board