

**G. Pulla Reddy Engineering College (Autonomous): Kurnool**  
**IEEE Student Branch (STB15721)**

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**Sub: Report on Cloud, Big Data and IoT Workshop – Reg**

G.Pulla Reddy Engineering took an initiation in organizing a workshop on “Cloud, Big Data and IoT” in order to cope up with the latest trends in computer engineering by the faculty, researchers and practicing engineers and hence to transfer the knowledge for the benefit of the humanity. Prof Raj Kumar Buyya and Dr K Raghavendra were invited for this workshop as resource persons. A total of 77 participants were present during this workshop.

Dr. Buyya is presently the Director, Cloud Computing and Distributed Systems (CLOUDS) Lab, The University of Melbourne, Australia and also CEO, Manjrasoft Pvt Ltd, Melbourne, Australia. He is a Fellow of IEEE and Life Member of ACM. He has co-founded five IEEE/ACM international conferences: CCGrid, Cluster, Grid, e-Science, and UCC (Utility and Cloud Computing) and served as the Chair of their inaugural meetings. He has presented over 400 invited talks (keynotes, tutorials, and seminars) on his vision on IT Futures and advanced computing technologies at international conferences and institutions in Asia, Australia, Europe, North America, and South America.

Dr. K. Raghavendra, Scientist, Advanced Data Processing research Institute, Department of Space . He is presently working for High performance computing Division, focused in the design and development of high performance computing applications in the area of remote sensing data processing. His major contributions include development of web based software tools for remote sensing data, parallel processing software development in the areas of cluster, grid, Cloud computing and Big data. He is the recipient of Young Scientist Award in 2010 for his contributions towards latest computing trends in Space technology.

This workshop covered the topics such as IT Revolution and vision of computing, Recent advances in Distributed/parallel computing, opportunities in cloud computing and challenges, Virtualization technologies etc. Also covered the following topics in addition to the above.

- Case studies in Engineering, Image processing and medical
- Demonstration of public clouds, application development
- Development of middle ware technologies
- Open issues and future directions in cloud computing
- Learning Bid Data and IoT
- Guidelines for setting up cloud and Big Data labs for research and Education programmes

The following are few snapshots of the workshop.



