Workshop on

"Preparing Technical Documents Using LaTeX"

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Objectives:

LaTeX is a document typesetting system used to produce high-quality technical documents such as books, theses, articles, technical reports etc. LaTeX offers references, table of contents, numbering figures and tables, bibliographies to be generated automatically and updated when the document changes. LaTeX is a de facto standard for publication of technical documents. This workshop will be most beneficial to students, research scholars, industry professionals and faculty who want to use LaTeX to prepare their technical documents in a publishing style. The hands on experience on LaTeX will also help the participants to acquire the skills to write technical papers, thesis, reports and books efficiently.

Topics covered:

Preparing technical documents using LaTeX is covered using the following sessions.

Introduction to LaTeX: How to use LaTeX to prepare technical documents such as books, theses, articles, technical reports in a publishing style. Elements of LaTeX document Structure, Mathematics, Figures and Tables, Cross references, Bibliography.

Writing Research paper in LaTeX: Using standard LaTeX templates, How to start writing research paper in LaTeX, and demonstration with simple examples.

LaTeX hands-on session: LaTeX hands-on session allows each participant to try the examples presented by the resource person, and working through practice exercises

Brief Biodata

Dr. Mahanand B S is the Professor of the Department of Information Science and Engineering; he carries 21 years of teaching and research experience at Sri Jayachamarajendra College of Engineering, JSS Science and Technology University, Mysuru. He was Raman post-doctoral fellow at Harvard Medical School, Harvard University, USA.

Dr. Mahanand has received Best Ph.D Thesis from the Board for IT Education Standards (BITES), a non-profit society promoted by the Government of Karnataka. He was a postdoctoral research associate in the Center for Computational Intelligence, Nanyang Technological University, Singapore.

He was a visiting researcher at the Laboratory of Biomedical Engineering, Helsinki University of Technology, Finland. He was also a visiting scientist at the National Magnetic Resonance Research Center, Bilkent University, Turkey.

Dr. Mahanand has published more than 50 research articles in various peer-reviewed journals and reputed conferences. His research interests are in the areas of Artificial Intelligence, machine learning and medical image analysis.