



Sanjay Ghodawat Group of Institutions

Atigre, Kolhapur

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Department of Electrical Engineering Workshop Report

Name of the Workshop: LaTeX: A Document Preparation System

Number of Days: Two Days

Event Dates: March 15th and 16th, 2019

Venue: Computer Lab - I (MBA)

Objective:

LaTeX is a document preparation system for high quality typesetting. It is most often used for medium to large technical or scientific documents but it can be used for almost any form of publishing. LaTeX encourages authors not to worry too much about the appearance of their documents but to concentrate on getting the right content. To produce a document in regular word processing systems, the author would have to decide the layout, font size, font type etc, which would be time consuming and the result would be badly designed documents. Whereas in LaTeX the author would leave the designing to document designers, and concentrate on the content of the document. The main objective of the workshop is to impart awareness about the use of LaTeX for document preparation and typesetting. The special emphasis is attend for writing thesis, books and letters using LaTeX.

Resource Person Details:



Dr. Nilesh Bahadure

Dr. Nilesh Bhaskarrao Bahadure is currently working as an Associate Professor in the School of Technology - Electronics Engineering, Sanjay Ghodawat University, Kolhapur, Maharashtra. He acquired Bachelor of Engineering (BE) in Electronics Engineering from RCERT Chandrapur, Nagpur University in 2000 and Master of Engineering (ME) in Electronic & Telecommunication Engineering from SSGMCE Shegaon, Amravati University in 2005. He has been awarded Ph.D. on "Design of Image

Analysis Algorithm for Brain Tumor Detection from MR Images" by KIIT University (Deemed University), Bhubaneswar, under the guidance of Dr. Arun Kumar Ray (PhD IIT Kharagpur)

He has more than 16 years of teaching experience. He started teaching profession as a Lecturer from GH Rasoni Polytechnic in 2001 and then Assistant Professor at Bhilai Institute of Technology Durg in 2003 and serve to the group of BIT Trust for 14 years.

He has published 7 books in reputed publications such as Prentice Hall of India (PHI), Pearson Publications, Lambert Academic Publishing, Germany, Notion Press (Online), and IK International publishers. He has published 27 research papers in various International, National conferences and journals indexed with SCI, SCIE, ESCI, Web of Science, SCImago and listed in UGC approved journals. He had received full travel grant for presenting his research article in International conference at Bangkok, Thailand from Chhattisgarh Council of Science & Technology Raipur, Chhattisgarh.

He is also associated as Advisory Board, Editorial Board Member and Reviewer of various SCI, SCIE, and SCOPUS indexed journals and technical program committee (TPC) member of various IEEE and Springer approved conferences. He has completed two research projects funded by Institution of Engineers (India) and Chhattisgarh Council of Science and Technology Raipur, Chhattisgarh. He has guided more than 50 students for UG dissertation and 8 students for PG dissertation.

Dr. Bahadure has worked as a HOD and Coordinator of ETC, EEE and AEI for more than 6 years, Dean Research & Development, Sr. Hostel Warden, Sr. Exam Superintendent for more than 5 years, Professor in-charge for NBA and ISO, Principal Incharge and handled many more responsibilities in his career span of 16 years at BIT Durg, BIT Raipur and MIT College of Railway Engineering and Research, Barshi, Solapur.

He has organized more than 10 National levels STTP/Workshop, 1 state level and 1 international level workshop, 1 National level conference and 1 international level conference.

Dr. Bahadure has been pro-actively involved with professional associations and associated with various professional bodies: Life membership of Indian Society for Technical Education (ISTE), Institution of Electronics & Telecommunication Engineering (IETE), Institution of Engineers (India), Indian Science Congress Association (ISCA), Solar Energy Society of India (SESI), Indian Society for Remote Sensing (ISRS), and International Association of Engineers (IAENG). (Email: nbahadure@gmail.com)

Session Contents:

Session 1: Introduction to LaTeX, Comparison with Microsoft Word and Installation of LaTeX software and related files on windows system.

Session 2: Introduction to document classes, writing simple document using class, font size, mathematical symbols, writing simple mathematical expression, introduction to numbering and bulleting in LaTeX

Session 3: Letter writing using document class letter, writing multiple letters, generating labels using letter class, inserting packages, creating tables and inserting figures.

Session 4: Introduction to color packages, coloring text, creating boxes, coloring boxes, introduction to report and book class, writing sample book using book class of LaTeX.

Session 5: Introduction to bibliography using bibitem and database, writing references using citation from bibliography database.

Session 6: Introduction to beamer class of LaTeX for preparing/generation of power point presentation. Introduction to cross referencing for tables, equations and figures in the running text. Writing mathematical expressions in the running text.

Workshop Summary:

Inaugurated at the hands of: Honorable Vice chancellor Dr. V.A.Raikar, Director (SGI) Dr. V. V. Kulkarni, HOD - Electrical Engineering Prof. S. R. Kumbar, HOD - Computer Science & Engineering Dr. Melinamath Bhuvaneshwari, Resource Person and Program Coordinator Dr. Nilesh Bhaskarrao Bahadure and Program co-coordinator Prof. Devendra Gowda.

Sessions are conducted on various topic on overview of LaTeX, its installations, and applications for various document classes. The valedictory function is preceded in the presence of Dr. Sanjeev K. Naik Specialist (Automotive Division), L & T Technology, Bangalore and HOD - Electrical Engineering Prof. S. R. Kumbar.

Target Participants: The workshop is intended for PG/Research Scholars and faculty members from Diploma/Science/Engineering colleges. Total number of participants benefitted from the workshop is 70.

Workshop Sponsorship: This workshop is financially sponsored by LEAD College activity of Shivaji University, Kolhapur and Technically supported by Bentham Science Publications Private Limited, USA.

Photo Gallery



Inaugural session of Two Days Workshop on "LaTeX: A Document Preparation System" 15th March 2019





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