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# Let's Learn $\LaTeX$ <sup>1 2</sup>

## $\LaTeX$ in two days

**Instructor :** Prof. S. Parthasarathy

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## 1 Synopsis

This is a two-day tutorial on  $\LaTeX$  .

$\LaTeX$  is a very powerful and versatile typesetting system, for high-quality publishing. It is used internationally, by a wide variety of users. It was originally conceived by Prof. Donald E Knuth, the greatest computer scientist of our times.  $\LaTeX$  is available for free (gratis), on all, modern, Linux systems.

This is a rare event, where you can meet, and listen, and learn  $\LaTeX$  from a guru. Get your questions answered. Take your first steps into the fascinating world of  $\LaTeX$  . This course will include hands-on sessions <sup>3</sup> , where the lecturer will demonstrate the steps involved in creating your  $\LaTeX$  documents.

This tutorial includes a walkthrough of the book **Let's Learn  $\LaTeX$**  .

Each participant will receive a course handout CDROM containing a rich collection of carefully chosen, tutorial material on  $\LaTeX$  . The CDROM will include a copy of all the presentation material (in pdf format), as well as an innovative ebook for learning  $\LaTeX$  .

This is a beginners-level course. No prior knowledge of  $\LaTeX$  is necessary. A working knowledge of Linux would be useful, since the demos will be made

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<sup>1</sup>This is a  $\LaTeX$  document

<sup>2</sup>This document uses hyperref package. Underlined texts are clickable hyperlinks.

<sup>3</sup>subject to availability of all resources

on Linux based tools. Microsoft worshippers, please abstain.

(Text marked by ??????? are to be filled up by the host institution)

- **Venue :** ???????
- **Dates :** ??????? & ???????
- **Time and Duration :** Each day, from ???? to ???? . 8 sessions of 90 minutes each, with appropriate inter-session breaks, spread over two days.
- **Tentative course structure :**

#### Day 1

- |    |   |
|----|---|
| 1  | What is L <sup>A</sup> T <sub>E</sub> X ? |
| 1a | Learning L <sup>A</sup> T <sub>E</sub> X  |
| 2  | Demo #1 (Hello world. Font sizes, styles) |
| 3  | Demo #2 (Line spacing, multicolumn)       |
| 4  | Demo #3 Bibliography Management           |

#### Day 2

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|----|--|
| 5. | Demo #4 (mathematical expressions)                       |
| 6. | Use L <sup>A</sup> T <sub>E</sub> X for writing a thesis |
| 7. | Overview of LLL book                                     |
| 8. | Wrapup   |

## 2 Registration

The course fee is ?????? . Seats are limited. Advance Registration (first-come first-served basis) is mandatory. Registration closes on ???????.

Registration can be done by visiting: ?????????

## 3 Profile of the Instructor

Prof. Parthasarathy is an experienced user and promoter of L<sup>A</sup>T<sub>E</sub>X . Prof. Parthasarathy's profile is available at:

<http://drpartha.org.in/profpartha/profile.pdf>

He was a special editor of PracTex journal, the official journal of the TeX Users Group (TUG).

He is the author of a number of tutorial articles on  $\text{\LaTeX}$  , all of which are available (under a CC-BY-SA license) on the w-w-web:  
<http://drpartha.org.in/publications/downloadlatx.htm> ,

as well as books on  $\text{\LaTeX}$  :

1. Let's Learn  $\text{\LaTeX}$  (LLL)
2. Using  $\text{\LaTeX}$  for mathematics (ULFM)
3. Thesis in a hurry (TIAH)

He is a major supporter of the “hacking for learning” philosophy, which he actively promotes in his above books.

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End of course announcement

## 4 Instructions for the organisers

1. Make sure that this course announcement (Section 1,2,3 above) is adequately publicised. You may modify the text, wherever necessary. You can ask Dr. Partha for the LaTeX source, if required. Please fill up the blanks, and add necessary details.
2. You may consider posting this announcement on your notice boards, and web sites, and other media, and also consider mailing a copy to each one of the potential participants, sufficiently in advance. The  $\LaTeX$  source of this announcement can be sent to you, if needed.
3. A detailed checklist of arrangements and resources to be made available by the host institution, is available at :  
<http://drpartha.org.in/publications/arrange.pdf>  
Please study the above carefully, and confirm that you can arrange for ALL the requirements mentioned in the above checklist.
4. This is a course for beginners. No prior knowledge of TEX or LATEX is necessary. The seminar itself, and all demonstrations will be done on a LATEX system implemented on Linux machines. Participants will be expected to have a working knowledge or familiarity of Linux. Microsoft worshippers, please abstain.
5. Dr. Partha's introduction to  $\LaTeX$  is available on the web, at :  
<http://drpartha.org.in/profpartha/startlatex.htm>  
You can use this as a starter page for details about  $\LaTeX$  .
6. This document itself is available on the web :  
<http://drpartha.org.in/publications/LLLininvite.pdf>  
Please obtain the latest version of this document, from the web.
7. If you have any queries, remarks or suggestions, please contact the course instructor at [drpartha@gmail.com](mailto:drpartha@gmail.com)

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