

# L<sup>A</sup>T<sub>E</sub>X @ *algo<sup>logic</sup>*

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## Abstract

**Algologic Research Solutions** is a specialised enterprise, based in Secunderabad, India. It derives its name from *algorithms* and *logic*. True to its name, *algo<sup>logic</sup>* offers services related to the use of *algorithms*, and *logic* in software for automation. By virtue of its focus, much of the work at *algo<sup>logic</sup>* is mathematical in nature. L<sup>A</sup>T<sub>E</sub>X provides an excellent means of recording the work done at *algo<sup>logic</sup>*. This report explains how.

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## 1 Preamble

*algo<sup>logic</sup>* was launched in 1993, by Dr. Partha, as soon as he returned from **United Nations University -- International Institute of Software Technology**, Macau. One of the things he brought back with him was admiration and respect for Unix and L<sup>A</sup>T<sub>E</sub>X, both of which were used extensively at UNU/IIST. There was no hesitation in deciding to use these two tools extensively in *algo<sup>logic</sup>* also. Luckily, very soon, Linux became very popular and accessible in India, so the switch over to Linux was very easy. L<sup>A</sup>T<sub>E</sub>X needed some more preparation and good front-end tools. With the availability of Kile on all Linux platforms, even this obstacle was removed.

L<sup>A</sup>T<sub>E</sub>X related activities are now visible in *algo<sup>logic</sup>* in many areas :

- Extensive use of L<sup>A</sup>T<sub>E</sub>X for all Technical reports of *algo<sup>logic</sup>*
- All trainees and students doing their final-year project work at *algo<sup>logic</sup>* have to use L<sup>A</sup>T<sub>E</sub>X exclusively, for their project reports.
- Short (invited) courses and lectures on L<sup>A</sup>T<sub>E</sub>X
- Extensive documentation on L<sup>A</sup>T<sub>E</sub>X given away in the form of course handout
- Development of own L<sup>A</sup>T<sub>E</sub>X style sheets, and specialised commands
- Publications related to L<sup>A</sup>T<sub>E</sub>X
- Special Editor for the PracTex journal. Specific assistance to the Tex Users Group (TUG)

All this is tightly coupled to the **non-traditional teaching** activities of Prof. Partha

## 2 About Prof. Partha

Dr. Parthasarathy (Dr. Partha) brings with him a very rich experience of about 25 years in the software industry. He holds an Engineering Doctorate (Docteur Ingenieur) from Grenoble, France and was also a Post-Doctoral Scientist, in Paris, France. He has visited and taught at several institutions worldwide (France, China, Thailand, Indonesia, Germany, Spain, UK). He is the author of several research publications and popular articles. He is an Editor of the international journal "Engineering Applications of Artificial Intelligence", published from the UK by Pergamon/Elsevier Press. He is an aggressive supporter of the Free Libre Open Source Software (FLOSS) movement, and is a regular contributor to the international effort on Linux. His contributions are part of all major Linux distributions worldwide. One of his contributions has been translated (from English) into seven different languages ! Dr. Partha speaks French and English (and many other languages) fluently. He is a Senior Member of IEEE and a Fellow of IETE.

You can interact with him, by e-mail, on :

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For more details about Dr. Partha, please visit :

<http://algolog.tripod.com/nupartha.htm>

## References

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