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# Can you keep a secret ?

**Prof. S. Parthasarathy**  
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- **Date and Venue:** cxcxvxxvcxcvxcxx cxxcxcxvc
- **Start time :** xxxcccvvv (strictly. The lecturer is very particular about punctuality)
- **Duration :** 150 minutes (2 sessions of 75 minutes each) plus optional 2 more sessions of 75 minutes each.
  1. Introduction to cryptography
  2. Asymmetric key cryptography
  3. Related techniques
  4. Do it yourself with GPG/PGP (demo)

## 1 Synopsis

<sup>1</sup> Security is a major issue in data storage, and data communications. Data is always vulnerable to various kinds of attacks. One of the tools, used to mitigate these hostile acts, is : cryptography. The lecture will give a detailed overview of this mathematically complex subject. In particular, it will demonstrate the power of asymmetric-key cryptography. The lecturer will use several examples, to illustrate the points being made.

A detailed CDROM on this subject is also available. Interested participants will be free to make copies of this gold-mine of information on security and cryptography.

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<sup>1</sup>This is a L<sup>A</sup>T<sub>E</sub>X document prepared using Kile, in a Suse Linux system. The lecdem will not use any Microsoft product. You can obtain softcopies of the L<sup>A</sup>T<sub>E</sub>X source, and the rendered version, from Prof. Partha. The name of this file is : cryptolct.tex .

## 2 Profile of the lecturer

Prof. Parthasarathy is an experienced user of asymmetric key cryptography.  
Prof. Parthasarathy's profile is available at:  
<http://algolog.tripod.com/nupartha.htm>

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