

---

# Dr. S. Parthasarathy<sup>1</sup>

---

[drpartha@gmail.com](mailto:drpartha@gmail.com)

<http://drpartha.org.in/publications/parthacv.pdf>

## COMPETENCE, COMMITMENT, CONFIDENCE

Ref. : parthacv.tex

Vers.: 20240118e

### ADDRESS AND CONTACT

---



78 Sancharpuri Colony  
Bowenpally P.O.  
Secunderabad 500 011  
INDIA

\* Phone : +91 - 93914 11040

*Please use the phone, for urgent matters only. For all routine enquiries and communications, please use my e-mail.*

\* email : [drpartha@gmail.com](mailto:drpartha@gmail.com)

Use my GPG Public Key (for all confidential communications) :

<http://drpartha.org.in/drpartha/publikey.htm>

\* URL (pdf file for a brief profile):

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

\* URL (for more details about me) :

<http://drpartha.org.in/profpartha.htm>

---

<sup>1</sup>All rights for this document, rest with Dr. Parthasarathy. This document is for restricted usage by authorised persons and institutions only. Unauthorised copying, or usage of this document is strictly prohibited.

Coloured texts, except this one, are clickable HTML hyperlinks.

This is a L<sup>A</sup>T<sub>E</sub>X generated document, created with Linux tools.

## EDUCATION

---

- **Docteur Ingénieur (Engineering Doctorate)** **1980**  
Institut National Polytechnique de Grenoble,  
Grenoble, France  
Specialisation : Automation and Controls  
Rating : The thesis (written in French entirely) was rated as *très honorable et les félicitations du jury* (eq. magna cum laude).  
  
More details are available at : <https://drpartha.org.in/publications/partha-thesis.pdf>
- **Master of Technology** **1973**  
Indian Institute of Technology,  
Delhi, India  
Specialisation : Control engineering and instrumentation  
Rating : FIRST Class
- **Bachelor of Engineering** **1971**  
Annamalai University  
Annamamalainagar, India  
Specialisation : Electrical and Electronics Engineering  
Rating : FIRST Class

## RESEARCH

---

- **Post-doctoral Fellow**, *Institut National de la Recherche en Informatique et en Automatique*, (INRIA) Rocquencourt, France, 1983.(Invited by Prof. G Lelann).  
  
Major activities : Research on Petri Nets. Authored an innovative paper on representation of Petri nets as linear difference equations.
- **Research interests** : Safety-critical systems, temporal knowledge representation and reasoning, formal methods, security, teaching of mathematics.
- **Research profile** : The document containing my research profile and publications history is updated frequently. The latest and up-to-date version is available on the w-w-web, at :  
<http://drpartha.org.in/publications/research.pdf>
- Invited by various institutions worldwide (details given below).

- Invited to join the Editorial Board of *Engineering Applns. of Artificial Intelligence*, an international journal published by Elsevier Publishers, U.K.

## WORK

---

- PART I (1980 – 1993)  
Held positions of senior, technical, responsible levels in the R & D Centre of CMC Limited, Secunderabad, India.  
Directly responsible for various technical contributions and development of industry grade software (automation and control software).
- PART II (1993 – 2004)  
Independent Consultant and entrepreneur, owns and operates Algologic Research & Solutions, Secunderabad, India. . Consultant to various industries and institutions (India, France, China, Thailand, Macau, Germany, Indonesia). Please see URL <http://drpartha.org.in/drpartha/drpartha.htm>
- PART III (since 2004)  
Professor, Computer Science, in various institutions.

## TEACHING (since 2004)

---

### Teaching interests :

**Primary interest :** discrete mathematics, cryptography

**Secondary interest :** artificial intelligence, real time systems, security, safety, principles of programming languages, Theory of computation, Unix/Linux

**Tertiary interest :** Basic electrical engineering, control engineering

**Special interest :** Active promoter and practitioner of *non-traditional teaching*. For details, please see <http://drpartha.org.in/profpartha/nontrad.htm>

### Teaching Highlights :

- Prof. Parthasarathy's academic initiatives are described in detail, at : <http://drpartha.org.in/profpartha/profpartha.htm>

- Was nominated as the best teacher of the year, by graduate students at Technische Universität Braunschweig, Braunschweig, Germany (Course delivered : Safety critical systems).
- Visiting Professor (2012 - 2014), Kathmandu University (Delivered a highly appreciated course on : Security and cryptography)

**Visited/taught/lectured at :** (since 2004)

---

France :	Various research centres in France.
Spain :	Universidad de Zaragoza, Zaragoza, Spain (short visit)
Germany :	Visiting Scientist (Gastwissenschaftler), Technical University of Braunschweig, Braunschweig, Germany
Thailand :	Asian Instt. of Technology, Bangkok, Thailand
Poland :	AGH University of Science and Technology, Krakow, Poland (short visit)
Nepal :	Tribhuvan University, Kathmandu, Nepal (short visit)
Nepal :	Deerwalk Institute of Technology, Kathmandu, Nepal (short visit)
Nepal :	Nepal Engg. College, ChanguNarayan, Nepal (short visit)
Nepal :	Visiting Professor (2012- 2014), Dept. of Computer Science and Engineering, Kathmandu University, Kathmandu, Nepal
Macau :	Visiting Expert, United Nations University, International Instt. of Software Technology, Macau
Macau :	University of Macau (short visit)
Australia :	Queensland University of Technology, Brisbane (short visit)
UK :	Cambridge University (short visit)

India : Professor, Dept. of Computer Science, Various engineering colleges in India.

For details, see <https://drpartha.org.in/drpartha/global.htm>

## AWARDS AND RECOGNITIONS

---

- Millennium Medal from IEEE (USA), for outstanding contributions to the profession.
- International award from IEEE (USA), for outstanding achievement by providing excellent web sites for IEEE India Council and other Indian Sections
- Elected to Senior Member grade by the IEEE (USA)
- Elected to Fellow grade by the Institution of Electronics and Telecommunication Engineers, India.
- Awarded an all-expenses-paid scholarship by the Government of France, for his Doctoral studies at INPG, Grenoble, France
- Awarded an all-expenses-paid scholarship for his Post-Doctoral research at INRIA, Rocquencourt, France.
- Internationally recognised as a Linux Guru. Contributor to the international Linux effort. My Linux contributions are distributed with all major Linux distributions sold worldwide. My contribution has been translated into various languages worldwide (Japanese, Dutch, French, Turkish, Russian, Spanish, German, Czech, Bulgarian), and was even appreciated in a Pakistani press report !
- Contributor to POSIX, the international Standard on Unix. Only Indian, to contribute to and be acknowledged in IEEE's POSIX Standard.
- Invited by various European research teams, to present research work done.
- Author of a popular ebook on LaTeX. This ebook is endorsed by several institutions all over the world. It is used in over 30 countries, spread over six continents of the world.

All his tutorials and ebooks on  $\LaTeX$  (both the rendered version and the source version) are distributed on the web, under a CC-BY-SA license:

<http://drpartha.org.in/profpartha/teachlatex.htm>

Conducted several lectures / tutorials on  $\LaTeX$

- Is the practitioner of a vast and visible outreach policy. Details available at :  
<https://drpartha.org.in/wp/2019/01/08/3-2019-reaching-out/>  
Created, operates and manages the site :  
<http://drpartha.org.in/>  
himself, entirely. Can share his experiences with other institutions.
- Contributor to Technical Programme Committees of various international conferences (including IEEE and IFAC).
- Referee/reviewer for international journals and institutions

## PERSONAL

---

- Date of Birth : 2 November 1950 (1950-11-02) in the culturally-rich city of Madras (now Chennai), India.
- Indian nationality. Permanently settled in Secunderabad (TS), India, since 1983.
- Marital status : Married, two children
- Linguistics :
  - Fluent in – French, English, Hindi, Tamil (mother tongue)
  - Working knowledge of – Telugu, Malayalam
  - Familiar with – German, Esperanto, Chinese (Cantonese), NepaleseExperienced translator – French to English. Author of a Ph D level thesis in French.
- Very strong affinity to purely technical subjects. Dislikes and avoids managerial and administrative chores. Firm practitioner and promoter of standards. Fanatic about punctuality. No political or religious affiliations.
- Aggressive supporter and practitioner of Linux, and the FOSS movement. See: <http://drpartha.org.in/drpartha/linux1.htm>
- Socially responsible attitude :
  - vigorous campaigner for accessibility rights for the disabled  
<http://drpartha.org.in/drpartha/handic.htm>,

- whole-body donor (MOHAN foundation) to be used in cadaver transplants and medical studies
- eye-donor (Eye Bank Association of India)
- voluntary blood donor.
- Environmental activist : Practitioner and promoter of eco-friendly lifestyle, bio-organic horticulture. Vermiculture hobbyist.  
<http://drpartha.org.in/drgarden/biofarm.htm>  
Organises lect-dem on this subject.
- Invited by IEEE, IFAC and various societies, to assist them in organising international events and conferences.

### Concluding remarks :

This document was typeset by me, in  $\LaTeX$  (on a Linux system). For queries and specific details, contact :: [drpartha@gmail.com](mailto:drpartha@gmail.com) . The  $\LaTeX$  source can be obtained from [drpartha@gmail.com](mailto:drpartha@gmail.com).

The latest and updated version of this document is available at:

<http://drpartha.org.in/publications/parthacv.pdf>.

The date of this version is coded into the Version Code given in the header of this document.

If you are reading a softcopy of this document (parthacv.pdf), you can download an md5 checksum of the same, from:

<http://drpartha.org.in/publications/parthacv.md5> I certify that all the details given above, are true and factual, to the best of my knowledge and belief.

S. Parthasarathy

THIS DOCUMENT HAS NO SANCTITY OR VALIDITY UNLESS  
IT IS FORMALLY SIGNED BY ME.

ALL UNSIGNED OR UNAUTHENTICATED COPIES SHOULD  
BE CONSIDERED AS FAKE AND ILLEGAL COPIES.

\* \* \*