

Dr. Tarashankar Rudra has been Vox Institute's scientific collaborator since 2005 in the field of research and software development. His expertise in computer science, with a solid theoretical grounding and industrial experience has been crucial for our Hi-tech standards using Microsoft development technologies (VB, ASP/.NET, C#, SQL Server) and PHP.

He has a PhD in Computer Science from Macquarie University, Australia and has more than 5 years of lecturing, research and tutoring experience in reputed Universities in Australia and India. He authored and co-authored numerous publications.

As a researcher he accomplished the following tasks:

1. He developed a detailed system design of a Virtual Psychologist for student counselling that involves sophisticated animation and development of an expert system.
2. He worked on the Trust based model dealing with security issues concerning Cloud Computing and developed a prototype simulating Internet Trust in C# and Java on Windows and UNIX platforms.
3. He developed efficient algorithms to isolate water bodies from remotely sensed digital imagery to assist rural fire service in dousing bush fires.
4. He developed models the way human users exploit languages in virtual environments (a pidgin language for computer games) incorporating four areas – linguistics, information theory, emotion recognition and cognitive modelling.