RESEARCH POSITIONS AT MILE LAB,
IISc, Bangalore
http://ragashri.ee.iisc.ernet.in/index.html

MILE Laboratory at Indian Institute of Science is actively involved in developing an automated book reader for the visually challenged. This research involves image mosaicing, page layout analysis, script recognition, speech synthesis and natural language processing. MILE Laboratory has two other national level projects, with partners from multiple Institutions, including IIT Delhi, IIT Madras, IIIT Hyderabad, Indian Statistical Institute, Kolkata, IIIT Allahabad, CDAC Pune and CDAC Noida.

One of them is to develop technology for reliable recognition of handwriting in Indian languages written on a sensitive, digitizing device such as, a Wacom tablet or a Tablet PC. Prof. A G Ramakrishnan at MILE Lab, IISc is the Leader of this 7-Institution Research Consortium. The project has 3 industrial partners, who are developing 3 different real life applications, which will employ the recognition engines provided by this research consortium. This project involves challenges in signal and image processing, pattern recognition, design of algorithms, hierarchical classification, classifier fusion and application design.

Another one is to develop technology for robust recognition of printed text that can be employed in digital libraries and other applications. This is a 11-Institution research consortium, in which MILE is one of the partners. This project involves challenges in computer vision and pattern recognition involving support vector machines and convolutional neural networks.

In all the above projects, you will be working with Ph D and other research students in related areas; further, opportunity exists for interacting with leading researchers and Professors at the national level.

We are looking for brilliant graduates, who have a passion for research, continuous learning and contribution. A BE/ME degree in ECE/CS with distinction is preferable. Knowledge of Tamil and/or Kannada, having studied it formally in school, is a must. Candidates desirous of pursuing research degrees at IISc are preferred and will be given adequate support for the same. The work involves Matlab and/or C programming in Windows and/or Linux environments. Knowledge of image processing and/or speech processing is an added advantage. The selected candidates are expected to work at least for a year.

Consolidated remuneration will depend upon the academic credentials and skill set, and can go up to a maximum of Rs. 14, 000/= per month for BE graduates.

Interested candidates apply within two weeks to Prof. A G Ramakrishnan at ramkiag@ee.iisc.ernet.in, with your CV and names of two references.