



# Narayana Nethralaya Research Award



Department of Computational and Data Sciences

## About Narayana Nethralaya

Narayana Nethralaya is a super specialty eye hospital in Bangalore with four large centers. It is committed to provide the best service in eye care through continual improvements of their systems, processes, technology and through the employment of dedicated and competent professionals of a progressive mindset. Narayana Nethralaya is currently one of the largest tertiary eye care referral centers in the state of Karnataka.

## About the Research Award

In order to attract highly talented students to undertake research work leading to a PhD, Narayana Nethralaya Foundation has established a Narayana Nethralaya Research Award Program at Department of Computational and Data Sciences (CDS), Indian Institute of Science (IISc), Bangalore.

The awardee will be working in the Computational Mathematics Group (CMG) with Prof. Sashikumar Ganesan as his/her advisor in collaboration with Dr Abhijit Sinha Roy, Chief Scientist, Imaging and Biomechanics Lab, Narayana Nethralaya Bangalore. The overall scope of this work is to develop a customised finite element code and three-dimensional mesh to perform patient specific inverse finite element simulations for quantifying the non-linear hyperelastic properties of the human cornea.

## Eligibility & Selection

- ✓ All CDS PhD students starting in Aug 2017 who wish to pursue their research on computational models for eye can apply
- ✓ Highly motivated CDS MTech (Research) students starting in Aug 2017 who wish to upgrade their MTech (Research) registration to PhD can also apply
- ✓ Selection will be made in the last week of August 2017 by a committee consists of CDS department faculty members and scientists from Narayana Nethralaya
- ✓ One fellowship will be awarded this year

## Entitlements

- ★ Fellowship amount of Rs. 32,000/- per month up to a maximum of 36 months
- ★ Rs. 20,000/- per month for MTech (Research) till upgrading of MTech (Research) registration to PhD, after upgrading Rs. 32,000/- per month will be paid for the next 28 months
- ★ Contingency grant of Rs. 10,000/- per year
- ★ One time conference travel support

## Contact:

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