

Doctoral Student/Research Fellow to pursue advanced research in the field of ocular imaging and tomography at Narayana Nethralaya Foundation (<https://nnf.org.in>) in Bangalore.

Responsibilities:

- Conduct advanced research in the field of ocular imaging and tomography, with a focus on developing novel techniques and technologies for imaging the eye.
- Undertake both modeling and bench work to design and implement experimental setups for ocular imaging and tomography.
- Conduct experiments, analyze data, and interpret results to draw meaningful conclusions and contribute to scientific publications and presentations.
- Collaborate with a team of researchers and clinicians to develop innovative solutions for diagnosing and monitoring ocular conditions using imaging and tomography techniques.
- Stay up-to-date with the latest developments in the field of ocular imaging and tomography through literature review and attending scientific conferences.
- Develop and maintain documentation related to research protocols, data collection, and analysis.
- Provide support in programming and data analysis tasks related to ocular imaging and tomography.

Qualifications:

- Master's degree in relevant fields of engineering (Electronics, Computers, Biomedical, etc.) or sciences (Physics, Optics, Photonics) is required.
- Strong background in optics, imaging, and tomography, with a keen interest in ocular imaging and eye-related research.
- Proficient in programming languages such as MATLAB, Python, or other relevant languages for data analysis and image processing.
- Excellent problem-solving skills, attention to detail, and ability to work independently as well as in a team.
- Good written and verbal communication skills, with the ability to present research findings in scientific conferences and prepare manuscripts for publication.
- Prior experience with ocular imaging and tomography, and familiarity with relevant imaging modalities such as Optical Coherence Tomography (OCT) or Fundus Imaging, would be an added advantage.
- Ability and willingness to learn new techniques and technologies related to ocular imaging and tomography.
- Strong organizational skills and ability to manage multiple tasks and projects simultaneously.

For more details visit: <https://nnf.org.in>