

The following positions are available in the project Entitled: “**Artificial Intelligence for Affordable Screening and Prediction of Diabetic Retinopathy in the Framework of Big Data**”

The project is funded by DBT, New Delhi for a period of 3 years to Dr.Rajiv Raman and Dr.S.Mathavan

Junior Research fellow

Candidates holding Master degree in Biotechnology, Genetics any branch in biology, with knowledge or experience in data analysis using SPSS, Python, R and Excel. Handling Big Data, Data Analytics, Data Science, and Machine Learning will be added advantage. Students with quick learning skills will be preferred.

Candidates with M.Tech. Computer science, M.Tech biomedical engineering or M.Tech. Computer engineering with experience in data analysis using SPSS, Python, R, and Excel, handling Big Data, Data Analytics, Data Science, and Machine Learning will be preferred. In addition with knowledge in genetics, Biotechnology / Molecular Biology/ Bio statistics will be added advantage. Preference will be given to candidates with research experience evidenced by scientific publications. NET or GATE qualification is needed for the candidates to get full fellowship and register for Ph.D. The selected candidate will have an opportunity to do Ph.D. Only shortlisted candidates will be called for interview.

Project assistant:

Candidates with Masters in optometry, Masters in Genetics, Biotechnology any branch in biology, computer science and any branch in biology with 60% aggregate or more, with 2 years of research experience is needed. Hands on experience in prospective data collection, data entry, data curation, big data handling, data analysis using statistical software, and excel, scientific writing and publications are desired qualifications.

Principal project associate:

Master’s Degree in Biology, chemistry, Physics, Biology, biochemistry, Biostatistics and Agricultural sciences or Bachelor’s degree in Engineering or technology or medicine from a recognised University or equivalent, with 8 years of Research experience having scientific publications.

Or PhD in Science or Engineering or technology or Pharma or MD or MS

Hands-on experience in data analytics, statistics, machine learning, scientific methods, and various technologies like R, Python, Machine Learning, Tableau.

Advantage of skills like:

- Analyse a large amount of structured and unstructured Ophthalmic data
- Create solutions and strategies that address research challenges
- Collaborate with research team members and leaders to design data strategies
- Combine different algorithms and modules to discover trends and patterns
- Present information through various data visualization techniques and tools
- Explore more technologies and tools to create innovative data strategies
- Create end-to-end analytical solutions from data collection to presentation

Selected candidates will be appointed for a period of one year and based on the performance, their appointment will be extended. Applications can with full details of the CV and publications can be sent by email and also hard copy to:

Dr.S.Mathavan

Chief Scientist & Senior Professor
Head of the Department: SN ONGC Dept. of Genetics & Molecular Biology
Vision Research Foundation, Sankaranethralaya,
Old No.18, New No.41, College Road, Chennai-600006.

Email: mathavans@snmail.org