

# Chief Minister's Nava Kerala Post-Doctoral Fellowships

## Guidelines

The Government of Kerala have introduced the prestigious 'Chief Minister's Nava Kerala Post-Doctoral Fellowships scheme' for meeting innovation and development needs of the state through promoting quality research spanning the sectors like social, economic, agriculture, development and industry. The fellowships carries amounts ranging from 50,000/- to 1,00000/-per month.

### **Eligibility Conditions:**

- Applicant should be a keralite in origin and should posses Ph.D degree in Science, Technology, Social Science, Arts and Humanities.
- All experts both in India and abroad can apply for these fellowships
- The period of fellowship will be for two years, which may be extended for one more year, if required.
- The upper age limit for the fellowship is 40 years at the time of notification.Age relaxation of 5 (five) years will be given to candidates belonging to SC/ST/OBC/Physically challenged & Women candidates.
- Fellowship amount will be granted based on the progress of the project work
- Applications shall be accompanied with synopsis of the project proposal
- The post-doctoral fellowship registration can be done either in selected departments or schools of the Universities and the studies will be undertaken in collaboration with outside hospitals, industries and technical centres.
- To set up laboratory and other facilities, an additional amount of Rs.50000 will be made available subject to requirement.
- Priority of fellowships will be based on the present developmental needs of Kerala especially the following sectors
  - *In order to explore the possibilities of Ayurveda and eco-diversity*, the fellowship may be in the sectors of Bio-Informatics, Computational Biology, Bio Manufacturing, Bio-Processing, Genetic Engineering, Cell and molecular Biology, Systems Biology and Biotechnology.

- *Against the backdrop of commercial crops and rubber*, polymer science and technology is another priority sector. The composites of bamboo, coir and wood will also be given priority in this sector.
- *In view of the major leap in cyber physical digital technologies*, sectors such as Artificial Intelligence, Robotics, Block Chain, Internet of Things, Machine learning, Big data Analysis, Gaming, Augmented Reality, Virtual Reality, Digital Security Systems, Geo Spatial Systems, Quantum Technology and Application, Space Technologies, Advanced Materials, Edge Computing etc.
- *Based on the major leaps in the scientific branches of genetics and genomics*, Genetic Medicine, Stem Cell biology, Medical imaging, Bio Medical Photonics, Medical devices and modelling, Brain Computer interface, epidemiology, Assistive Technologies, Genomics in medicine, Social Medicine, Public Health, Health Science and Technologies.
- *We need to strengthen the search for the alternative possibilities for reducing the use of fossil fuels*. In this background, sectors like Energy storage, Fuel cells, E-mobility, Battery technologies, Photo Voltage, Solar, thermal, bio energy modelling, Bio-mass recycling.
- *For the all-round development of agricultural sector of Kerala – Food Science and technologies*, Food Processing, Land and Water Management, Agricultural Sciences, Organic Farming, Agricultural value-added products, Precision Agriculture, Agriculture drones.
- *For facing the challenges of climate change and for scientifically tackling recurring natural calamities – Housing, transport and Infrastructure, Climate Change, Disaster Management, Carbon foot printing, Hydrological Modelling, land slide prediction, Disaster forecasting, Waste recycling, Pollution control.*
- *Considering the importance of Innovation Sector – Innovation eco systems, Innovation studies, frugal innovation, Innovation Methodologies.*
- *In order to reinforce the indigenous culture of Kerala*, Social equality and cohesion of Kerala – Archaeology and Material culture studies, Migration Studies, Art, history, language, Social studies, ecological laws, Intellectual property rights, Econometric Modelling of Kerala economy, Digital transformation of Kerala Co-operative sector, handling of new generation technologies including fintech.

## **How to apply?**

Eligible candidates may submit the **application in the prescribed format** with all relevant documents as prescribed through online mode. An undertaking from Head of any of the recognized Research Centres/ Departments/ Institutions stating that they have no objection to allow the PD Fellow to carry out the programme in the institution. The candidate may also submit a brief profile in the prescribed format along with the application form. The application should contain mailing address, contact number and e-mail ID. The soft copy of the application also be sent to [heckerala@gmail.com](mailto:heckerala@gmail.com). Detailed application should be sent to **The Member Secretary, The Kerala State Higher Education Council, Science and Technology Museum Campus, VikasBhavan P.O. Thiruvananthapuram – 695 033**

## **Mode of Selection**

Selection of the Post Doctoral Fellowships under the Chief minister's Nava Kerala Post doctoral fellowship Scheme will be from amongst the eligible applications through a process of evaluation of project proposals by the selection committee. Eminent experts from respective subject domains will be included in the selection committee constituted for the purpose. Subject experts may be included for detailed evaluation if necessary, of project proposals in the respective discipline in which a member of the selection committee will be the chair.

## **Procedure for submission of Statement of Expenditure and Utilization Certificate:**

First year – within three months of completion of project period.

Second year, within 6 months.

The PD Fellows should submit three copies of the Annual Progress Report and Final Technical Report along with the soft copies within the above mentioned duration.

## **Periodic Review of the Projects:**

Review and monitoring of the progress of the project will be done by the selection committee/subject committee formed for the purpose.

## **Final Technical Report Evaluation:**

The Final Technical Report (FTR) submitted within 6 months after completion of the project shall be evaluated by the selection committee.