



## **SERB Overseas Doctoral Fellowship**

Science and Engineering Research Board (SERB), a statutory body under the Department of Science and Technology, Government of India has recently approved the launch of *SERB Overseas Doctoral Fellowship*. Under this programme SERB provides fellowship to Indian students graduating from Indian universities/ institutes to pursue Ph.D. in areas of science, technology, engineering and medicine in academic institutions of international repute abroad.

The Programme aims to build national capacity where the talent supply of researchers in areas of interest to the country is sub-critical. The applicant should be an Indian and have completed eligible degree in India (Bachelor/Post graduate) in Science or Engineering (including Medicine, Pharma, Agriculture and related S&T areas) not earlier than preceding two years. The applicant should have got admission into doctoral research program in \*specified areas in overseas top ranking universities.

The fellowship amount will be US \$24,000 per annum. The fellowship will be offered for a period of 4 years. In exceptional cases, the fellowship can be extended for one more year. In addition, one time Contingency/Preparatory allowance of Rs. 60,000/- and return Airfare (Economy) will be given to every fellow.

SERB is in a process of initiating dialogue with top ranking overseas Universities to explore long term partnerships to build quality human capacity. SERB has entered Memorandum of Understanding (MoU) with the following Universities:

| University /<br>Contact Person  | Number of<br>Fellows<br>per annum | Nature of Support  |   |
|---|-----------------------------------|--|---|
|   |                                   | SERB   | Overseas University   |
| <b>Cambridge University</b> , London,<br>UK (Cambridge India Ramanujan<br>Fellowship)<br><br>Mr. Sue Osterfield<br><a href="mailto:sue.osterfield@admin.cam.ac.uk">sue.osterfield@admin.cam.ac.uk</a> | 5                                 | Fellowship of<br>US\$2000 pm &<br>One time<br>Contingency/<br>Preparatory<br>allowance of Rs.<br>60,000/- and return<br>Airfare (Economy)  | Cambridge<br>Commonwealth,<br>European & International<br>Trust will pay University<br>Composition Fee  |
| <b>The University of British<br/>Columbia</b> , Canada<br><br>Mr. Faisal Beg<br><a href="mailto:faisal.beg@ubc.ca">faisal.beg@ubc.ca</a>  | 5                                 | Fellowship of<br>CAN\$2000 pm &<br>One time<br>Contingency/<br>Preparatory<br>allowance of Rs.<br>60,000/- and return<br>Airfare (Economy) | UBC covers tuition costs  |
| <b>Stanford University</b> , California<br><br>Professor Sanjay Malhotra<br><a href="mailto:svmalhot@stanford.edu">svmalhot@stanford.edu</a>  | 10                                |  | SU will pay the University<br>Composition Fee   |
| <b>University of Southern<br/>California</b> , Los Angles<br><br>Dr. Meredith Drake Reitan<br><a href="mailto:mereditd@usc.edu">mereditd@usc.edu</a>  | 5                                 | Fellowship of<br>US\$2000 pm &<br>One time<br>Contingency/<br>Preparatory<br>allowance of Rs.<br>60,000/- and return<br>Airfare (Economy)  | Top up fellowship by USC<br>to standard level of USC<br>Global Fellowship. In<br>addition USC will cover<br>the tuition costs, health<br>insurance, health centre<br>costs and provide travel<br>award. |
| <b>Carnegie Mellon University</b> ,<br>USA<br><br>Dr. K. Jimmy Hsia<br><a href="mailto:kjhsia@cmu.edu">kjhsia@cmu.edu</a>   | 5                                 |  | Top up fellowship by<br>CMU to standard level of<br>CMU Fellowship. In<br>addition CMU will cover<br>the tuition costs, health<br>insurance, and provide<br>travel award.                               |

The hallmark of the alliance is that through the MoU it is ensured that each and every SERB Overseas Doctoral Fellow will be getting tuition fee waiver from the University concerned.

It may be noted that student needs to apply directly to the top ranking Universities and secure admission following their own selection procedure. The Universities listed above will intimate SERB the details of the selected students. SERB will make a final selection of a specified number of students for doctoral research.

SERB has been negotiating with more top ranking Universities. Students who secured admission in other top ranking Universities across the globe can also apply for these fellowships. They should send the applications directly to SERB along with a copy of admission offer letter from the overseas institution and their bio-data. In this case, selected fellows will be provided a fellowship of US \$24,000 per annum and one time Contingency/Preparatory allowance of Rs. 60,000/- and return Airfare (Economy).

The selected candidate is required to execute a bond on a non-judicial stamp paper of Rs.100/- before a notary-public/Oath of Commissioner as per specimen bond of SERB. The candidates are required to return to India after completion of their Ph.D. However, permission for staying for another four years after completion of the Ph.D course may be considered, for the reasons to be recorded in writing without any financial support of any kind whatsoever from SERB.

\*Identified areas:

*Materials, Energy, Sustainable Chemistry, Quantum Computing and Spintronics, Complex systems, Theoretical Mathematical Science, Big Data, Mechanobiology / Physical Biology, Bio-energy, Genetic to Physiology, Mental Health, High Performance Computation in Physics, Chemistry, Biology and Mathematics, Humanoid Robotics, Cognitive Science, Mechnotronics, Advanced Manufacturing, Cyber security, Encryption and decryption, Petroleum and Petro-Chemical Engineering, Science of Climate Change, Glaciology, Modeling, Imaging, Algorithms and Combinatorial Optimizations*

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