

भारतीय सांख्यिकीय संस्थान INDIAN STATISTICAL INSTITUTE

203, बी. टी. रोड, कोलकाता – 700 108 / 203, B. T. Road, Kolkata- 700 108
(An Autonomous Body funded by Ministry of Statistics and Program Implementation, GoI)
(सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय द्वारा वित्तपोषित एक स्वायत्त निकाय, भारत सरकार)



No.PU/507/ADV/228

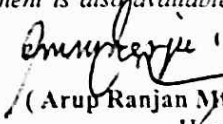
28 June 2021

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Applications are invited from Indian Nationals (bright candidates) for the recruitment of two (02) Research Associates purely on temporary basis in the Statistical Quality Control & Operations Research Division of the Indian Statistical Institute.

- Qualification** : Ph.D. degree in Statistics/ Mathematics/ Reliability/ Operations Research/ Operations Management/ Industrial Engineering/ Quality, Reliability & Operations Research.
- Pay** : A consolidated honorarium range between ₹47000/- (Rupees forty seven thousand only) to ₹54000/- (Rupees fifty four thousand only) per month depending upon post doctoral experience.
- Tenure of Appointment** : The tenure of appointment will be a maximum of eight months from the date of his/her joining in the institute but will not exceed 31 March 2022.
- Job Description** : 1. Inference under stochastic ordering constraints based on censored data. There are many types of orders of varying degrees of strength for comparing lifetime distributions. These include stochastic ordering, likelihood ratio ordering, uniform stochastic ordering or hazard rate ordering etc. The plan is to consider inference for lifetime distributions under such ordering constraints based on different types of censored data.
2. Development of new and innovative application of data science tools and techniques in quality and reliability engineering, exploring interface with machine learning and statistical tools like design of experiments, multi-response optimization, improving methodologies for supply chain, optimization, capacity utilization etc.
3. Hybridization of supply chain, reverse logistics (green energy/waste management), queuing models, closed-loop network and parametric optimization. The overall idea is to design appropriate queuing models (admission control, F-policy, N-policy, retrial, circular, restricted & fuzzy queues) based on the restrictions imposed in supply chain according to the various types of business environment (manufacturing, trading, service) and optimizing the system considering various parameters (crisp/ fuzzy) of the supply chain aiming towards reduction of energy consumption and waste management.
4. Stochastic optimization models linked to a project on assessment of airspace utilization.
- Age** : Upper age limit shall be 35 years as on 01 June 2021 with usual relaxation for SC/ST/OBC/differently abled candidates. Age relaxation may also be given to outstanding candidates or candidates with relevant experience.

Eligible and interested candidates should apply for the position with a cover letter addressed to the Head, Statistical Quality Control and Operations Research Division of the Indian Statistical Institute, which is required to include (a) Name (In block letters), (b) Permanent/ Present Address, (c) E-mail Address, (d) Telephone/Mobile No., (e) Parent's/Spouse's Name, (f) Date of birth, (g) Academic Qualifications (with percentage of marks obtained in each examination starting from 10th class), (h) Experience (if any), (i) Aadhar Card No., (j) SC/ST/OBC/Differently abled status, self attested soft copies of all documents/ testimonials latest by 18 July 2021 through e-mail to: sqcor@isical.ac.in and must contain a research statement, a teaching statement, two recommendations including one from the supervisor. The candidates will be posted either in Kolkata or Bangalore or Hyderabad. Research Associate recruitment will take place as per Office Order No.D.O./2021/43 dated 04 February 2021 and as per office Memorandum No.SR/S9/Z-08/2018 dated 30 January 2019 of Department of Science & Technology, Ministry of Science & Technology, Government of India. At the time of joining, selected candidate has to produce all relevant documents/testimonials in original for verification and a medical certificate of fitness from the Medical Officer of the Institute. Failing this, the institute will offer the position to the next candidate in the merit list prepared for this purpose. The candidates, who would be shortlisted, need to make open presentation followed by interaction with the selectors. All recruitment procedures will be carried out by complying with all preventive measures to prevent the spread of the COVID-19 Global epidemic as directed by the Government of India. The selected candidate needs to submit a written report to the Head, Statistical Quality Control & Operations Research Division and the Deputy Director of Indian Statistical Institute about the work done after the completion of the tenure. The Institute reserves the right not to appoint any of the above. This advertisement is also available on the website www.isical.ac.in/jobs.


(Arup Ranjan Mukhopadhyay)
Head
SQC & OR Division

- Copy to :
1. Head, Statistical Quality Control & Operation Research Unit, Kolkata.
 2. Head, Statistical Quality Control & Operation Research Unit, Bangalore.
 3. Head, Statistical Quality Control & Operation Research Unit, Hyderabad.
 4. Head, Statistical Quality Control & Operation Research Division.
 5. Different Universities/Organisations.
 6. All Heads of Division/Departments/Sections/Units etc. for circulation amongst the workers and NOTICE BOARD.
 7. In-Charge, Despatch Section for arranging circulation accordingly.
 8. Director's Office (9) CE (A&F)'s Office
 10. No.PU/507/ADV/ (11) No.PU/509/PROJECT-ADV-SC/

07/06/21