



INDIAN STATISTICAL INSTITUTE
203, B. T. Road, Kolkata-700 108

No. 118/CSQC/ADV-RA/2022-2023

Date: 26.05.2022

ADVERTISEMENT

Applications are invited from Indian Nationals (bright candidates) for the recruitment of **four (04) Research Associates** purely on temporary basis in the Statistical Quality Control & Operations Research Division of the Indian Statistical Institute.

Area of Work	Qualification & Eligibility
<ul style="list-style-type: none">• Development of new and innovative application of data science tools and techniques in quality engineering (example: exploring application of pattern recognition techniques in multivariate process control).• Application of quality engineering techniques on machine learning (example: exploring application of design of experiments in feature selection, model parameter optimization, etc.).• Developing new approaches for multi-response optimization, multi-criteria decision making using <i>fuzzy</i> optimization techniques.• Teaching assignment for MS(QMS) and Part Time course in SQC.• Dissertation and project guidance of MS(QMS) students.	<ul style="list-style-type: none">• Ph.D. in Statistics or Operations Research or Industrial Engineering.
<ul style="list-style-type: none">• Working on a problem related to warranty data analysis, modelling and prediction.• Working on process capability evaluation of life data.	<ul style="list-style-type: none">• Ph.D. in Statistics.

<ul style="list-style-type: none"> Hybridization of supply chain, reverse logistics and queuing models to the various types of business environment (green energy management) and optimization under uncertainties involved in the supply chain. Schedule recovery problem, Check-in counter problems, Gate assignment problem etc. for air traffic management system. 	<ul style="list-style-type: none"> Ph.D. in Mathematics/Operations Research/Operations Management with desirable knowledge in Supply Chain, Reverse Logistics, Air Traffic Optimization/Analytics.
<ul style="list-style-type: none"> Design and analysis of degradation tests under various degradation paths. 	<ul style="list-style-type: none"> Ph.D. in Statistics with good programming ability in R or Python.
<ul style="list-style-type: none"> Topological data analysis, optimization theory and other related areas, namely, Data Mining, Machine Learning, Big Data. 	<ul style="list-style-type: none"> Adequate knowledge of Mathematics, Statistics and also very good programming ability in Python.

- Pay** : A consolidated honorarium range between Rs. 47000/- (Rupees forty seven thousand only) to Rs.54000/- (Rupees fifty four thousand only) per month depending upon post-doctoral experience.
- Tenure of Appointment** : This temporary appointment will be for a maximum period of **ten months from the date of his/her joining in the Institute but will not exceed 31 March 2023.**
- Age** : Upper age limit shall be **35 years as on 01 May 2022** 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, that requires 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) Aadhaar Card**

No.,(j) SC/ST/OBC/Differently Abled Status. Self-attested soft copies of all documents/testimonials should be sent latest by 5 June 2022 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. 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 candidate applied for this temporary RA post. *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 & Operations Research Unit, Kolkata.
2. Head, Statistical Quality Control & Operations Research Unit, Bangalore.
3. Head, Statistical Quality Control & Operations Research Division.
4. Different Universities/ Organizations.
5. All Heads of Division/Departments/Sections/Units etc. for circulating amongst the workers and NOTICE BOARD.
6. In-charge, Despatch Section for arranging circulation accordingly.
7. Director's Office.
8. CE (A&F)'s Office
9. No. PU/507/ADV/
10. No. PU/509/PROJECT-ADV-SC/