



CSIR-Central Scientific Instruments Organisation (CSIR-CSIO)
Council of Scientific and Industrial Research (CSIR)
 Sector 30-C, Chandigarh 160 030
<http://www.csio.res.in>

Advertisement No. 01/2018
[Requirement of Project Staff (in R&D Projects) and Research Intern]

Candidates who fulfill the under-mentioned criteria of age, educational qualifications, and experience etc. may step in for **WALK-IN-INTERVIEW on 3rd January, 2018 (Wednesday) at 8:45 a.m. at Auditorium, CSIR-CSIO, Sector-30-C, Chandigarh** along with application form downloadable from our website together with testimonials of all the qualifications (original & attested copies of certificates including SC/ST/OBC/PH). Engagement will be purely on contract/temporary basis co-terminus with the completion of the project. The details of the present available positions are as follows:-

Sr. No.	Name of the Scheme/Project		Positions/ Stipend	No. of Positions	Tenure	Essential Qualification
1.	CSIR Diamond Jubilee Research Intern Awards Scheme	“Divya Nayan – A Personal Reading Machine for Visually Impaired People”	Research Intern (Rs. 24,000/- p.m. consolidated)	01	One year from the date of joining, extendable upto maximum of two years	Essential Qualification: 1st class B.E./B.Tech. in Computer Science/Electronics & Communication or equivalent ⁵ Desirable: M.Tech. in Biomedical Instrumentation/ Computer Science/ Electronics & Communication or equivalent ⁵
2.	GAP Project	“Kinetics of Initial Stages of In _x Ga _{1-x} N Growth on low and high miller indexed Si surfaces followed by InN QDs in application towards tandem solar cells”	PA Level-III (Rs. 28,000/- p.m. consolidated)	01	Upto 26 th January, 2019	Essential Qualification: M.E./M.Tech. in Nanoscience and Nanotechnology or equivalent ⁵ with at least 55% marks and B.E./B.Tech. in Electronics & Communication or equivalent ⁵ Desirable: Candidates with experience in photo-electrochemistry and related characterizations will be preferred.
3.	GAP Project	“ORGAN - Low Cost Biomechatronic Rehabilitative Solutions for Children with Congenital Hemiparesis”	JRF (in contract R&D Project) (Rs. 25,000/- p.m. + 20% HRA)	02	Upto 14 th December, 2019	Essential Qualification: For JRF (Mechanical): B.E./B.Tech. in Mechanical or equivalent ⁵ with valid GATE/ NET score OR M.E./M.Tech. in Mechanical or equivalent ⁵ Desirable: Experience in Mechanical Computer-Aided design software like Inventor/SolidWorks, Catia, etc. For JRF (Electronics): B.E./B.Tech. in Electronics/ Instrumentation/ Embedded System or equivalent ⁵ with valid GATE/ NET score OR M.E./M.Tech. in Electronics/ Instrumentation/ Embedded System or equivalent ⁵ Desirable: Experience in Embedded control, LabVIEW software.

4.	GAP Project	“Multi-functional High Range Electrostatic Sprayer”	SRF (in contract R&D Project) (Rs. 28,000/- p.m. + 20% HRA)	01	Upto 30 th November, 2019	<p>Essential Qualification: B.E./B.Tech. in Electronics/ Electronics & Instrumentation/ Instrumentation/ Mechanical/ Electronics & Control/ Instrumentation & Control or equivalent⁵ with NET/GATE qualification and 2 years of research experience in relevant field after acquiring the essential educational qualification</p> <p>OR</p> <p>M.E./M.Tech. in Electronics/ Electronics & Instrumentation/ Instrumentation/ Mechanical/ Computational Fluid Dynamics/ Electronics & Control/ Instrumentation & Control or equivalent⁵ with 2 years of research experience in relevant field after acquiring the essential educational qualification</p> <p>Desirable: 2 years of research experience after post-graduation in the area of Instrumentation/ Farm Machinery/ Agri-instrumentation/ Electronics/ Mechanical Design and Fabrication/ Computational Fluid Dynamics/ Aerodynamics/ Instrumentation and Control, etc.</p> <p><u>For Electronics/Instrumentation or equivalent⁵ degree candidate:</u> Knowledge of Computational Software/ OrCAD/ PCB Design/ MATLAB/ Optimization Techniques & Data Analysis, Hardware and Electronic Design Tools, etc.</p> <p><u>For Mechanical or equivalent⁵ degree candidate:</u> Experience in SolidWorks, Inventor, Design Tools, MATLAB, Ansys, CAD/CAM, Computational Fluid Dynamics (CFD), etc.</p>
5.	SSP Project (A.V.)	“Design & Development of Pilot Display Unit (PDU) for Hawki Aircraft” (A.V.)	<p>PA Level-I (Rs. 15,000/- p.m. + HRA) <i>(tentative amount)</i></p> <p>PA Level-II (Rs. 25,000/- p.m. + HRA) <i>(tentative amount)</i></p> <p>(A.V.)</p>	01 PA Level-I & 03 PA Level-II (A.V.)	<p>For a period of *12 months **33 months (A.V.)</p>	<p>Essential Qualification: <u>For PA Level-I (01 position)*:</u> Three year Diploma in Mechanical engineering or equivalent⁵ with minimum 55% marks.</p> <p>Desirable: One year experience and knowledge of Lathe, Milling, Drilling and Basic Metal Fabrication Processes.</p> <p><u>For PA Level-II (Mechanical) (01 position)*:</u> B.E./B.Tech. in Mechanical engineering or equivalent⁵ with minimum 55% marks.</p> <p>Desirable: Knowledge of CAD software (AUTOCAD, SOLIDWORKS, CATIA), FEA Analysis Software (ANSYS, COMSOL), Assembly of Opto-Mechanical systems, basic metal fabrication processes.</p> <p><u>For PA Level-II (Electronics) (01 position)*:</u> B.E./B.Tech. in Electronics/ Electronics & Communication Engineering/ Electronics & Instrumentation Engineering or equivalent⁵ with</p>

					<p>minimum 55% marks.</p> <p>Desirable: Knowledge of Analog Circuits, Digital Circuits, Microcontrollers, FPGA, PCB Design, Test equipments</p> <p>For PA Level-II (Electronics) (01 position)**: B.E./B.Tech. in Electronics/ Electronics & Communication Engineering/ Electronics & Instrumentation Engineering or equivalent⁵ with minimum 55% marks.</p> <p>Desirable: One year experience and knowledge of 'C' language, Analog Circuits, Digital Circuits, Microcontrollers, ORCAD, Test equipments, Military Standards.</p>
Total vacancies			--	09	--

Abbreviations: A.V.- Anticipated Vacancies

Other Benefits: Accommodation (subject to availability), food facility and other amenities in campus.

Please note:

1. The candidates who have already served CSIR-CSIO or any other lab / institute of CSIR as any Project Assistant / Project Fellow / JRF (in contract R&D projects) / SRF (in contract R&D projects) / Research Associate etc. for a total period of 5 years or more are not eligible for these engagements. The candidates who have served for a period less than 5 years will have tenure upto remaining period till completion of five years.
2. The upper age limit for Project Assistant Level-I (PA Level-I) is 28 years, Project Assistant Level-II (PA level-II) is 28 years, Project Assistant Level-III (PA Level-III) is 35 years, for Research Intern (RI) is 25 years, for Junior Research Fellow (JRF) is 28 years and for Senior Research Fellow (SRF) is 32 years.
3. Relaxation in age limit for the candidates belonging to SC / ST / OBC / PH and Women shall be 5 years for the position of Research Intern (RI).
4. For the positions of Project Assistant Level-I (PA Level-I), Project Assistant Level-II (PA level-II), Project Assistant Level-III (PA Level-III), JRF (in contract R&D project) and SRF (in contract R&D project) relaxation of age for SC/ST - 5 years, OBC - 3 years, PH (SC/ST) – 10+5, PH (UR) - 10 years and Widows, Divorced women and women Judicially separated from their husband and who are not re-married and falls under the category of UR upto 35 years, OBC upto 38 years and SC/ST upto 40 years will be applicable as per GOI/CSIR instructions.
5. In case a large number of candidates turn up for Walk-in-interview, Selection/Screening Committee will have discretion to shortlist the candidates for interview based on written exam or percentage of marks. In respect of equivalence clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification for recruitment as per the requirement of advertisement, then the candidate is required to produce order/letter in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the Application is liable to be rejected.
6. **Medical Facilities** for self will be provided through CSIR-CSIO Dispensary only to the extent available as per rules. This will be limited to self only and not for family members/dependents.
7. **Reservation:** As regards reservation, if all things are equal, SC/ST/OBC/PH candidates may be given preference over General candidates so as to ensure their representation.
8. List of selected and panel of candidates will be displayed on website.
9. The selected candidates are expected to join within fifteen days from the date of receiving of offer of appointment, after completion of pre-appointment formalities like medical examination and character verification etc.
10. The selected candidates will have to deposit an amount equivalent to Fifteen Day's stipend as a Security Deposit (Refundable) with CSIR-CSIO, at the time of joining.
11. CSIR-CSIO reserve the right to cancel or withdraw the award in case of any discrepancy found, in the candidature of any selected candidate at any stage.
12. CSIR-CSIO reserves the right not to fill up a particular position, if it so desires. The number of vacancies indicated above may vary at the time of actual selection.
13. The waitlisted panel will be valid for one year and will be operated within stipulated period as and when required.
14. The engagement as a Research Intern (RI) under the 'CSIR Diamond Jubilee Research Intern Awards' Scheme is purely on temporary basis. The Intern shall have no claim for further extension, absorption or regularization in CSIR after the expiry/termination of the Internship. The engagement can be terminated by either side by giving one month's notice OR stipend in lieu thereof without assigning any reasons. It is not a CSIR-CSIO appointment and will not confer any right on the incumbent to any claim implicit or

explicit on any position.

15. No TA/DA will be paid to the candidates for attending the interview.
16. The above positions of PA/RI/JRF (in contract R&D project)/SRF (in contract R&D project) in CSIR-CSIO are contractual engagement co-terminus with the projects.
17. Other terms & conditions will be governed as per guidelines issued by the funding agency/CSIR Hqrs. for the engagement of above Project Staff/RI as amended from time to time.

Administrative Officer