CSIR-Central Scientific Instruments Organisation (CSIR-CSIO)
Council of Scientific and Industrial Research (CSIR)
Sector 30-C, Chandigarh 160 030
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Advertisement No 04/2019

[Filling up of temporary positions against various GAP/CSIR sponsored projects]

Candidates who fulfill the under-mentioned criteria of age, educational qualifications, and experience etc. may step in for WALK-IN-INTERVIEW at **05.09.2019 (Thursday)** at ISTC Auditorium, CSIR-CSIO, Sector-30 C, Chandigarh on the specific dates mentioned below along with application form downloadable from our website together with testimonials of all the qualifications (original & self-attested copies of certificates including SC/ST/OBC/PH certificates). Engagement will be purely on contract/temporary basis co-terminus with the completion of the project. Interested candidates must register between 9:00 AM to 12:00 Noon. Entry will not be allowed after 12:00 Noon.The details of the present available tentative positions are as follows:-

Sr. No.	Name of the Scheme/Project/ PI name		Positions & Stipend/Emolu-ments	No. of Positions	Tenure/ Project Duration	Essential Qualification	Maximum age (as on date of walk-in interview)	Age Relaxation	Date of walk-in interview
1.	**GAP Project**	**"Ges-Chair: Finger Gesture based alternate drive controller for powered wheelchairs"**	**JRF OR SRF (Depending upon suitability)** **(JRF: Rs. 31,000/- + (16 % HRA pm)** **OR** **SRF: Rs. 35,000/- + (16 % HRA pm)**	**01**	**Up to 14th June, 2021**	**1) For JRF:** **Essential Qualification**: B.E./ B.Tech./ M.E./ M. Tech in Electronics/ Electrical & Electronics/ Electronics and communications/ Electrical/ Instrumentation/ Biomedical/ Computer Science/ Information Technology or equivalent **with CSIR-UGC NET including lectureship/GATE qualification**. **OR** **2) For SRF:** **Essential Qualification**: B.E./ B.Tech./ M.E./ M. Tech in Electronics/ Electronics and communications/ Electrical & Electronics/ Electronics and communications/ Electrical/ Instrumentation/ Biomedical/ Computer Science/ Information Technology or equivalent with **CSIR-UGC NET including lectureship/GATE qualification plus two years of research experience** **Desirable [for (a) & (b)]**: • Knowledge and experience of embedded system development/ microcontrollers/ Circuit Design/ PCB assembly • Programming knowledge in C/ C++/ Python/ Java/ android application development.	**JRF:** 28 years **SRF:** 32 years	Age relaxation as per norms/orders of Government of India.	

2.	**CSIR FTT Project**	**Electromyogram (EMG) controlled Below Elbow prosthesis**	**Project Assistant Level –II or III (Depending upon suitability)** **(One No.)** **(PAII: Rs. 25,000/- + 16 % HRA pm)** **OR** **(PAIII: Rs. 28,000/- + 16 % HRA pm)**	**01**	**Up to 31st March, 2020**	**For PA – II** B.E./B.Tech in Mechanical / Mechatronics Engineering / Design or equivalent with at least 55% marks **For PA – III** M.E./M.Tech/MS in Mechanical / Mechatronics Engineering / Design or equivalent with at least 55% marks or B.E./B.Tech in Mechanical / Mechatronics Engineering / Design or equivalent with at least 55% marks and 2 years of R&D/Fabrication/Design experience **Desirable** Knowledge of CAD design software, Solid works/Catia/Autodesk inventor, 3D prototyping and robotics application development.	**PAII:** 30 years **PAIII:** 35 years	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	
3.	**CSIR FTT Project**	**Technological solutions for contactless alive/dead detection of victim soldier in battle field**	**Project Assistant Level –II or III (Depending upon suitability)** **(Two No.)** **(PAII: Rs. 25,000/- + 16 % HRA pm)** **OR** **(PAIII: Rs. 28,000/- + 16 % HRA pm)**	**02**	**Up to 31st March, 2020**	**For PA – II** B.E./B.Tech in Electronics/ Electronics & Communication / Instrumentation / Biomedical Instrumentation / Biomedical Engineering/ /Mechatronics / Mobile Computing / Electrical /Electrical & Electronics Engineering or equivalent with at least 55% marks **For PA – III** M.E./M.Tech in Electronics/ Electronics & Communication / Instrumentation / RF Communication/ Antenna Design / Biomedical Instrumentation / Biomedical Engineering/ /Mechatronics / Mobile Computing/ Advanced Instrumentation Engineering or equivalent with at least 55% marks or B.E./B.Tech in Electronics/ Electronics & Communication / Instrumentation / Biomedical Instrumentation / Biomedical Engineering/ /Mechatronics / Mobile Computing / Electrical / Electrical & Electronics Engineering or equivalent with at least 55% marks and 2 years of R&D experience **Desirable** Knowledge of Antenna Design, RF system design, Embedded Systems/Analog-Digital Hardware Design/ Signal Processing/	**PAII:** 30 years **PAIII:** 35 years	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	

						Machine/ Learning /MATLAB/LABVIEW/C/C++/Python/Java/or android application development.			
4.	**CSIR Project**	**"Cognitive sensing framework for vital signs monitoring in cardiac abnormality detection"**	**PA-II OR PA-III (Depending upon suitability)** **(PA-II: Rs. 25,000/- + 16 % HRA pm (as applicable)** **OR** **PA-III: Rs. 28,000/- + 16% HRA pm(as applicable))**	**01**	**Up to 31st March, 2020**	**3) For PA-II:** **Essential Qualification**: B.E./B.Tech in Computer Science/ Information Technology/Electronics or equivalent with at least 55% marks **OR** **4) For PA-III:** **Essential Qualification**: M.E./M.Tech in Computer Science/ Information Technology/ Mobile Computing/ Cloud Computing or equivalent with at least 55% marks OR B.E./B.Tech in Computer Science/ Information Technology/Electronics or equivalent with at least 55% marks and 2 years of experience **Desirable**: • Knowledge of algorithms, database and cloud computing. • Programming knowledge of C/ C++/ Python/ Java/ PHP/ LARAVEL/ SQL and cloud-based application development. • Preference will be given to GATE qualified candidates.	**PA-II:** 30 years **PA-III:** 35 years	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	
5.	**CSIR Project**	**"Interface development of MAV/Drone control based upon cognitive load estimation using BCI methods"**	**PA-II OR PA-III (Depending upon suitability)** **(PA-II: Rs. 25,000/- + 16 % HRA pm (as applicable)** **OR** **PA-III: Rs. 28,000/- + 16% HRA pm (as applicable))**	**01**	**Up to 31st March, 2020**	**1) For PA-II:** **Essential Qualification**: B.E./B.Tech in Computer Science/ Information Technology/ Electrical/ Electronics or equivalent with at least 55% marks **OR** **2) For PA-III:** **Essential Qualification**: M.E./M.Tech in Computer Science/ Information Technology/Electrical/Electronics or equivalent with at least 55% marks OR B.E./B.Tech in Computer Science/ Information Technology/Electrical/Electronics or equivalent with at least 55% marks and 2 years of experience **Desirable**: • Knowledge of biomedical signals and Instrumentation • Programming knowledge of C/ C++/ Python and MATLAB/LabVIEW application development.	**PA-II:** 30 years **PA-III:** 35 years	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	

						• Preference will be given to GATE qualified candidates.			
6.	**CSIR Project**	**"Divya Nayan: A Personal Reading Machine for Visually Impaired"**	**PA-II OR PA-III (Depending upon suitability)** **<u>PA-II</u>: Rs. 25,000/- + 16 % HRA pm (as applicable)** **OR** **<u>PA-III</u>: Rs. 28,000/- + 16 % HRA pm (as applicable)**	**01**	**Up to 31st March, 2020**	**1) <u>For PA-II:</u>** **Essential Qualification**: B.E./B.Tech in Computer Science/ Information Technology/Electronics or equivalent with at least 55% marks **OR** **2) <u>For PA-III:</u>** **Essential Qualification**: M.E./M.Tech in Computer Science/ Information Technology/ Mobile Computing/ Cloud Computing or equivalent with at least 55% marks OR B.E./B.Tech in Computer Science/ Information Technology/Electronics or equivalent with at least 55% marks and 2 years of experience **Desirable**: • Knowledge of algorithms, database and cloud computing. • Programming knowledge of C/ C++/ Python/ Java/ PHP/ LARAVEL/ SQL and cloud-based application development. • Preference will be given to GATE qualified candidates.	**<u>PA-II</u>:** 30 years **<u>PA-III</u>:** 35 years	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	
7.	**AV GAP Project for future requirements and preparing a panel.**	**"DEEP: Development of an Efficient Photo electrode for Hydrogen Fuel from Water"**	**<u>JRF</u>: Rs. 31,000/- + 16 % HRA pm (as applicable)**	**01**	**Upto March 2022**	**Essential Qualification**: M.sc/M.E. /B.E./ B.Sc./ B.Tech./ M.E./ M. Tech in Physics/ Electronics/ Electronics and communications or equivalent with NET/GATE qualification.	**<u>JRF</u>:** 28 years	Age relaxation as per norms/orders of Government of India	

8.	**GAP Project**	**"Molybdenum Disulphide Nanotemplates Based Electrochemical Nanosensor for Food Toxins AFB1 and AFM1"**	**JRF** **Rs. 31,000/- + 16 % HRA pm**	**01**	**Up to 14th August, 2021**	**Essential Qualification**: Post-graduate degree in Chemistry, Biochemistry, Nanotechnology, Chemical Engineering or equivalent with any one of the following qualifications CSIR-UGC NET (including lecturership) / GATE OR other National exams conducted by Central Government department and their agencies such as DST, DBT, DAE, DOS, DRDO, MHRD, ICMR, IACR, IIT, IISc, IISERs, etc.	**JRF:** 28 years	Age relaxation as per norms/orders of Government of India	
9.	**GAP Project**	**"Monitoring of blood oxygenation for diabetic foot ulceration detection by using diffuse reflectance spectroscopy"**	**JRF (JRF: Rs. 31,000/- + 16 % HRA pm)**	**01**	**Up to 31st May, 2021**	**5) For JRF:** **Essential Qualification**: MTech in Opto-electronics /Optical engineering / Applied Optics / Biomedical engineering / Electronics and Communications / Instrumentations/MSc in plan Physics/Applied Physics, Optoelectronics equivalent with NET/GATE qualification.	**JRF:** 28 years	Age relaxation as per norms/orders of Government of India	
10.	**A.V DBT project for future requirement and preparing a panel.**	**Future Project**	**SRF: Rs. 35,000/- + (16 % HRA pm)** OR Project Assistant III (if SRF is not available) **PA-III: Rs. 28,000/- + 16 % HRA pm (as applicable)**	**02 (Electronics/ Computer)**	**3 year**	**1) For SRF** Post Graduate Degree in Basic Science Or Graduate/Post Graduate Degree in Professional Course selected through a process described through any one of the following : a. Scholars who are selected through National eligibility Tests –CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. b. The selection process through National level examination conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc. with two years of research experience. (In the areas as in PA-III mentioned below) Desirable : (As mentioned in PA-III below) **OR** **2) For PA-III:** **Essential**: B.E./ B.Tech. with two years of Industrial Experience	**SRF:** 32 years **PA-III:** 35 years	Age relaxation as per norms/orders of Government of India for SRF. For PA-III Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups	

						or/ M.E./ M. Tech in Electronics/ Electronics and communications/ Electrical/ Instrumentation/ I & C/ Electronics & Computer Science/ Information Technology or equivalent with minimum 55% marks **Desirable**: 1. Experience in Embedded system design, Python programming, real time control applications 2. Experience in Game development platforms, unity/Java/C#, animation software like Maya, applications in Machine learning and artificial intelligence		and women.	
11.	CSIR Project **Future Vacancy for preparing a panel.**	**Future Project**	**SRF: Rs. 35,000/- + (16 % HRA pm)** OR Project Assistant III (if SRF is not available) **PA-III: Rs. 28,000/- + 16 % HRA pm (as applicable)**	**01 (Mechanical)**	**Up to 31st Mar, 2020**	**1) For SRF** Post Graduate Degree in Basic Science Or Graduate/Post Graduate Degree in Professional Course selected through a process described through any one of the following : a. Scholars who are selected through National eligibility Tests –CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. b. The selection process through National level examination conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc. with two years of research experience. (In the areas as in PA-III mentioned below) Desirable **: (As mentioned in PA-III below)** **OR**	**SRF:** 32 years	Age relaxation as per norms/orders of Government of India for SRF.	

						2) <u>For PA-III:</u> **Essential**: B.E./ B.Tech./ M.E./ M. Tech in Mechanical/Manufacturing/ Production/CAD/ Design or equivalent with minimum 55% marks. **Desirable**: Experience in Experience in product design/ CAD tools	**<u>PA-III</u>:** 35 years	**<u>PA-III</u>** Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	
12.	**A.V CHT Project for future requirenments and preparing a panel.**	**Design and Development of fiber optic gas sensors and system**	**PA-II (25000+16%HRA)**	**02**	**1 year**	**Essential**: • B.E./B.Tech. in Electronics Engg. /Instrumentation Engg. Or equivalent., Computer science or equivalent with minimum 55% marks. **Desirable**: 1. Experience in the domain of Signal Acquisition, Signal Filtering, Signal Processing. 2. Experience in realization of circuit, Embedded System Design, Process Control and Automation, Programming knowledge of C/ C++/ Python and MATLAB/LabVIEW application development. 3. Additional Knowledge in domain of optoelectronics, GATE qualified /Higher qualification candidates will be preferred.	**<u>PA-II:</u>** <u>30 years</u>	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	
	CHT Project AV for future requirenments and preparing a panel.		**PA-II (25000+16%HRA)**	**01**	**01 Year**	**Essential**: • B.E./B.Tech. in Chemical Engg., Mechatronics Engg. /Mechanical Engg. Or equivalent with minimum 55% marks. **Desirable**: 1. Experience in design of pneumatic flow control, gas mixture preparation, process	**<u>PA-II:</u>** <u>30 years</u>	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	

						control and automation, gas analysis with Gas chromatograph. 2. Knowledge of CAD modelling, CFD analysis, Mechanical Fabrication. 3. GATE qualified /Higher qualification candidates will be preferred.			
13.	**A.V** **DST Project Future Vacancy and for preparing a panel.**	**"Indigenous apex locator for root canal treatment"**	**JRF OR SRF (Depending upon suitability)** **(JRF: Rs. 31,000/- + (16 % HRA pm)** **OR** **SRF: Rs. 35,000/- + (16 % HRA)**	**01**	**Up to September , 2021 (2 Years Duration)**	**1) For JRF:** **Essential Qualification**: B.E./ B.Tech./ M.E./ M. Tech in Electronics/ Electronics and communications/ Electrical/ Instrumentation/ Biomedical/ Computer Science/ Information Technology or equivalent with NET/GATE qualification. **OR** **2) For SRF:** **Essential Qualification**: B.E./ B.Tech./ M.E./ M. Tech in Electronics/ Electronics and communications/Eelectrical/ Instrumentation/ Biomedical/ Computer Science/ Information Technology or equivalent with NET/GATE qualification **plus** two years of research experience as **JRF** **Desirable [for (a) & (b)]**: • Knowledge of measuring Bioelectrical Impedance • Knowledge and experience of embedded system development/ microcontrollers/ Circuit Design/ PCB assembly • Programming knowledge in C/ C++/ Python/ Java/ or android application development.	**JRF:** 28 years **SRF:** 32 years	Age relaxation as per norms/orders of Government of India	
14.	**A.V Future Vacancy For Panel Only DRDO Project in P.O. mode**	Anticipated Vacancy for the upcoming project	**PA Level- III** **Rs. 28,000/- p.m. + 16 % HRA pm as per rules**	01	9 months	**Essential Qualification:** B.Tech/B.E. in Electronics & Communications (minimum 55%) with two years of Experience OR M.Tech/M.E in Optics Engineering or equivalent with minimum 55% marks Desirable : Basic Knowledge of Optical	PA Level-III: 35 years	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	

						Design & Simulation Software			
15.	**A.V DST Project Future Project for panel only**	**" ICT Based Tools Assessment and Improvement of Efficacy of upper Limb Robotic Rehabilitation Using Thermographic Diagnostic Method**	**JRF OR SRF (Depending upon suitability)** **(JRF: Rs. *25,000/- + (20 % HRA pm)** **OR** **SRF: Rs. *28,000/- + (20 % HRA pm)** ***Enhanced emoluments as Rs. 31000/- or Rs. 35000/-subject to approval and receipt of funds from funding agency in due course.**	**01**	**Up to 03 Years**	**1) For JRF:** **Essential Qualification**: B.E./ B.Tech./ M.E./ M. Tech in Electronics/ Electronics and communicationsl/ Instrumentation/ Instrumentation and Control or Equivalent with NET/GATE qualification. **OR** **2) For SRF:** **Essential Qualification**: B.E./ B.Tech./ M.E./ M. Tech in Electronics/ Electronics and communicationsl/ Instrumentation/ Instrumentation and Control or Equivalent with NET/GATE qualification **plus** two years of research experience as **JRF** **Desirable [for (a) & (b)]**: • Working Knowledge/ Experience in MATLAB and Image processing.	**JRF:** 28 years **SRF:** 32 years	Age relaxation as per norms/orders of Government of India.	
16.	**CSIR Project**	**Intelligent Systems (IS)-Intelligent Technologies & Solutions**	**PA-III: Rs. 28,000/- + 16 % HRA pm (as applicable)** **OR** **PA-II: Rs. 25,000/- + 16 % HRA pm (as applicable)** **(Depending upon availability &**	**01**	**March 2020**	**1) For PA-III:** **Essential Qualification**: M.E./M.Tech in Electronics & Communication/ Instrumentation/ Mechatronics/ Computer Science/Advance Instrumentation or equivalent with at least 55% marks **Desirable**: **2)** Knowledge of Signal Processing, Programming Knowledge of C/C+/Python under Linux Environment. OR **3) For PA-II:** **Essential Qualification**: B.E./B.Tech in Computer Science/ Electronics/Electronics and Communication / Instrumentation/ Electrical/Electrical and	**PA-II:** 30 years **PA-III:** 35 years	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	

			suitability)			Electronics Engineering or equivalent with at least 55% marks **Desirable :** Programming Knowledge of MATLAB / C/C+/Python under Linux Environment.			
17.	CSIR FTT Project	Vein-Viz: Image Guided Vascular vein visualizer	Project Assistant Level –II or III (Depending upon suitability) (PAII: Rs. 25,000/- + 16 % HRA) OR (PAIII: Rs. 28,000/- + 16 % HRA)	01	Up to 31st March, 2020	For PA – II B.E./B.Tech in Electronics/ Electronics & Communication / Electrical & Instrumentation/ Instrumentation/ Computer Science / Biomedical Instrumentation / Biomedical Engineering/ Mechatronics / Mobile Computing / Electrical & Electronics Engineering or equivalent with at least 55% marks. For PA – III M.E./M.Tech in Electronics/ Electronics & Communication / Electrical & Instrumentation/ Instrumentation / Computers/ Biomedical Instrumentation / Biomedical Engineering/ /Mechatronics /VLSI/ Mobile Computing/ Advanced Instrumentation Engineering or equivalent with at least 55% marks. or B.E./B.Tech in Electronics/ Electronics & Communication / Instrumentation / Biomedical Instrumentation / Biomedical Engineering/ /Mechatronics / VLSI/ Mobile Computing / Electrical & Electronics Engineering or equivalent with at least 55% marks and 2 years of R&D experience. Desirable Knowledge and experience of embedded system development/ microcontrollers/ Circuit Design/ PCB assembly Programming knowledge in C/ C++/ Python/ Java/ or android application development.	PAII: 28 years PAIII: 32 years	Age relaxation as per CSIR norms i.e. five years age relaxation for statutory groups and women.	
Total vacancies (Tentative)			--	**21**	--	--	--	--	--

A.V.: Anticipated Vacancy

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

Please note:

1. **The performance of the candidates selected against all the above mentioned positions will be reviewed every 6 months and based on the performance as per the project mandate, further extension will be provided from time to time.**
2. 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.
3. **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.
4. **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.
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. List of selected candidates will be displayed on website. In addition, general panel will also be drawn for future requirements and it will be valid for one year.
7. The selected candidates are expected to join within fifteen days from the date of receiving offer of appointment, after completion of pre-appointment formalities like medical examination and character verification etc.
8. 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.
9. CSIR-CSIO reserves the right to cancel or withdraw the award in case of any discrepancy found, in the candidature of any selected candidate at any stage.
10. 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.
11. No TA will be paid to the candidates for attending the interview.
12. The engagement as a Research Intern (RI) (if applicable) 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.
13. All the above positions in CSIR-CSIO are purely temporary contractual engagement co-terminus with the projects. The number of vacancies indicated above may increase/decrease.
14. The guidelines issued by CSIR Headquarter for the project sponsored by CSIR shall be applicable as per CSIR OM dated 04 July, 2016.
15. DST OM No. SR/S9/Z-08/2018 dated 30.01.2019 shall be applicable for DST sponsored projects for JRF/SRF.
16. Other terms & conditions will be governed as per guidelines issued by the funding agency/CSIR for the engagement of above Project Staff/RI as amended from time to time.

Controller of Administration