



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>

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[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 8:00 a.m. at 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 & 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. **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 positions are as follows:-

Sr. No.	Name of the Scheme/Project	Positions & Stipend	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 "Development of Algorithms for the river water quality monitoring using machine learning techniques"	RA-I OR SRF (Depending upon suitability) (RA-I): Rs. 36,000/- p.m. + HRA as per rules OR SRF: Rs. 28,000/- p.m. + HRA as per rules)	01	Upto 2 nd January, 2020	(a) For RA-I: Essential Qualification: M.E./M.Tech. in Computer Science/ Electronics/ Remote Sensing/ Environmental Science/ Instrumentation or equivalent ⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification OR Ph.D. in the above relevant areas (b) For SRF: Essential Qualification: M.E./M.Tech. in Computer Science/ Electronics/ Remote Sensing/ Environmental Science/ Instrumentation or equivalent ⁵ with minimum 55% marks OR B.E./B.Tech. in Computer Science/ Electronics/ Remote Sensing/ Environmental Science/ Instrumentation or equivalent ⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential	RA-I: 35 years SRF: 35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday) 29 th August, 2018 (Wednesday)

						<p>educational qualification</p> <p>Desirable [for (a) & (b)]:</p> <ol style="list-style-type: none"> 1) Hands-on image processing tools and softwares such as ENVI, geostatistics and tools such as Geographical Information System (GIS), etc. 2) Knowledge of soft computing techniques, machine learning and artificial intelligence tools and optimisation techniques such as Genetic Algorithm (GA), Particle Swarm Optimisation (PSW), etc. 3) Experience in hyperspectral imaging data handling, and remote sensing software tools. 4) Experience in developing codes in high level languages such as Python, VC++, etc. 5) Exposure in working on Matlab, R, R-PI, Arduino, etc. 6) Willingness to travel/field work. 7) Candidates desirous for PhD admission will be given preference. 			
2.	GAP Project	"All-dielectric and hybrid nanoantennas for multifunctional sensors"	<p>JRF</p> <p>[Rs. 25,000/- + 20 % HRA pm for 1st & 2nd year.</p> <p>Rs. 28,000/- + 20% HRA pm for 3rd year (for SRF as per DST OM No. SR/S9/Z-09/2012 dated 21.10.2014)]</p>	01	Upto 4 th May, 2021	<p>Essential Qualification: M.Sc. in Physics/ Applied Optics/ Material Science or equivalent⁵ with NET/GATE qualification</p> <p>OR</p> <p>M.E./M.Tech. in Applied Optics/ Optoelectronics/ Photonics/ Material Science or equivalent⁵</p> <p>Desirable: Knowledge of design and modelling of waveguide, plasmonic devices and nanophotonics.</p>	28 years	Age relaxation as per norms/orders of Government of India	30 th August, 2018 (Thursday)
3.	GAP Project	"Pilot deployment of Intelligent Elephant Movement Detection and Alert System near Kansrao railway track, Rajaji	<p>PA Level-II OR PA Level-III (Depending upon suitability)</p> <p>(PA Level-II: Rs.</p>	01	Upto 15 th September, 2019	<p>(a) For PA Level-II:</p> <p>Essential Qualification: B.E./B.Tech. in Electronics/ Electronics & Communication/ Electronics & Instrumentation/ Instrumentation/ Electronics &</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday)

		Tiger Reserve, Dehradun”	25,000/- p.m. consolidated OR <u>PA Level-III:</u> Rs. 28,000/- p.m. consolidated)			Control/ Mechatronics/ Computer Science Engg. or equivalent ⁵ with minimum 55% marks (b) For PA Level-III: Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Electronics & Instrumentation/ Instrumentation/ Electronics & Control/ Mechatronics/ Computer Science Engg./ Mobile Computing Technology/ Advanced Instrumentation or equivalent ⁵ with minimum 55% marks Desirable [for (a) & (b)]: 1) Experience in handling seismic data or infrared images. Knowledge of Image and Signal Processing, Embedded System Design and Linux. 2) Experience in carrying out experiments and deployment in field conditions. 3) <u>Candidates are expected to travel frequently to carry out field experimentation, deployment and maintenance of system apart from regular research and development as part of the team.</u>			29 th August, 2018 (Wednesday)
4.	CSIR Project	“Intelligent Systems (IS) - Intelligent Technologies and Solutions -Task 1.3: Cognitive sensing framework for vital signs monitoring in cardiac abnormality detection ”	PA Level-II OR PA Level-III (Depending upon suitability) (PA Level-II: Rs. 25,000/- p.m. + HRA as per rules OR PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)	02	Upto 31 st March, 2020	(a) For PA Level-II: Essential Qualification: B.E./B.Tech. in Computer Science/ Information Technology/ Electronics or equivalent ⁵ with minimum 55% marks (b) For PA Level-III: Essential Qualification: M.E./M.Tech. in Computer Science/ Information Technology/ Electronics or equivalent ⁵ with minimum 55% marks OR B.E./B.Tech. in Computer Science/	PA Level-II: 30 years PA level-III: 35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday) 29 th August, 2018 (Wednesday)

						Information Technology/ Electronics or equivalent ⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification			
						<p>Desirable [for (a) & (b)]:</p> <p>1) Knowledge of signal processing, machine learning, android application, server/cloud application development.</p> <p>2) Strong knowledge of object oriented programming in Java/C/C++/Python.</p>			
5.	MLP Project	“Divya Nayan: A Personal Reading Machine for Visually Impaired”	PA Level-II OR PA Level-III (Depending upon suitability) (PA Level-II: Rs. 25,000/- p.m. + HRA as per rules OR PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)	02	Upto 31 st March, 2020	<p>(a) For PA Level-II: Essential Qualification: B.E./B.Tech. in Electronics & Communication/ Instrumentation/ Computer Science or equivalent⁵ with minimum 55% marks</p> <p>(b) For PA Level-III: Essential Qualification: M.E./M.Tech. in Electronics/ Computer Science/ Mobile Computing/ Cloud Computing or equivalent⁵ with minimum 55% marks</p> <p>OR B.E./B.Tech. in Electronics & Communication/ Instrumentation/ Computer Science or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (a) & (b)]:</p> <p>1) Knowledge of algorithms, database and cloud computing.</p> <p>2) Programming knowledge of C/ C++/ Python/ Java/ PHP/ LARAVEL/ SQL and cloud-based application development.</p> <p>3) Preference will be given to GATE qualified candidates.</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	<p>29th August, 2018 (Wednesday)</p> <p>29th August, 2018 (Wednesday)</p>

6.	MLP Project	“Scale-up of AutoCEPH – A Software for 2D Computerised Cephalometric Analysis as a Web Service”	PA Level-II OR PA Level-III (Depending upon suitability) <u>(PA Level-II:</u> Rs. 25,000/- p.m. + HRA as per rules OR <u>PA Level-III:</u> Rs. 28,000/- p.m. + HRA as per rules)	03	Initially upto 31 st March 2019, extendable upto June 2019 depending upon availability of funds	(a) For PA Level-II: Essential Qualification: B.E./B.Tech. in Computer Science/ Information Technology/ Electronics or equivalent ⁵ or MCA with minimum 55% marks (b) For PA Level-III: Essential Qualification: M.E./M.Tech. in Computer Science/ Information Technology/ Electronics or equivalent ⁵ with minimum 55% marks OR B.E./B.Tech. in Computer Science/ Information Technology/ Electronics or equivalent ⁵ or MCA with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification Desirable [for (a) & (b)]: Knowledge of Java/ JavaFX/ Java2D/ J2EE framework/ RESTful Web Services framework/ SQL/ HTML/ Java Script/ CSS/ AJAX/ jQuery/ Angular/ Maven/ SVN/ SFTP/ Linux.	<u>PA Level-II:</u> 30 years <u>PA level-III:</u> 35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday) 29 th August, 2018 (Wednesday)
7.	MLP Project	“Precision instrumentation towards whole-slide digital microscopy for high-throughput analytics”	a) 01 PA Level-II OR PA Level-III (EC/CS) (Depending upon suitability) and b) 01 PA Level-II (Mech.) <u>(PA Level-II:</u> Rs. 25,000/- p.m. + HRA as per rules <u>PA Level-III:</u> Rs. 28,000/- p.m. + HRA as per rules)	02	Upto 31 st March, 2020	(a) (i) For PA Level-II (EC/CS): Essential Qualification: B.E./B.Tech. in Computer Science/ Electronics/ Electronics & Communication/ Instrumentation/ Electrical/ Electrical & Electronics Engg. or equivalent ⁵ with minimum 55% marks (ii) For PA Level-III (EC/CS): Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Mechatronics/ Computer Science/ Mobile Computing/ Advanced Instrumentation Engg. or equivalent ⁵ with minimum 55%	<u>PA Level-II:</u> 30 years <u>PA level-III:</u> 35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday) 29 th August, 2018 (Wednesday)

						<p>marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Computer Science/ Electronics/ Electronics & Communication/ Instrumentation/ Electrical/ Electrical & Electronics Engg. or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (a) (i) & (ii)]: Knowledge of Image Processing and Machine Learning. Programming knowledge of C/ C++/ Python/ Java/ MATLAB and related Application Development.</p> <p>(b) For PA Level-II (Mech.): Essential Qualification: B.E./B.Tech. in Mechanical/ Mechatronics Engg. or equivalent⁵ with minimum 55% marks</p> <p>Desirable: Knowledge of CAD design, prototyping and robotics related application development.</p>			30th August, 2018 (Thursday)
8.	CSIR Project	“Intelligent Systems (IS) - Intelligent Technologies and Solutions -Task 2.1: Interface development of MAV/Drone control based upon cognitive load estimation using BCI methods ”	PA Level-III (Rs. 28,000/- p.m. + HRA as per rules)	01	Upto 31 st March, 2020	<p>Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Mechatronics/ Computer Science/ Mobile Computing/ Advanced Instrumentation Engg. or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Computer Science/ Electronics/ Electronics & Communication/ Instrumentation/ Electrical/ Electrical & Electronics Engg. or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p>	35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29th August, 2018 (Wednesday)

						<p>Desirable:</p> <p>1) Knowledge of Signal Acquisition, Signal Filtering, Signal Processing, Machine Learning.</p> <p>2) Programming knowledge of C/ C++/ Python/ MATLAB/ LabVIEW/ Linux/ Java/ Application Development.</p>			
9.	MLP Project	“AEISS Task 2.3: Ligament Injury Assessment & Therapy Device for Motor-Rehabilitation of Soldiers (L-GEAR)”	PA Level-III (Rs. 28,000/- p.m. + HRA as per rules)	02	Upto 31 st March, 2020	<p>(a) For PA Level-III (EC) (01 position):</p> <p>Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Instrumentation & Control/ Electronics & Computers or equivalent⁵ with minimum 55% marks</p> <p>OR</p> <p>B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Instrumentation & Control/ Electronics & Computers or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable: Experience in Embedded System Design, Python programming, real time control applications</p> <p>(b) For PA Level-III (CS) (01 position):</p> <p>Essential Qualification: M.E./M.Tech. in Computer Science & Engg./ Computer Science & Technology/ Information Technology/ Electronics/ Electronics & Communication/ Instrumentation or equivalent⁵ with minimum 55% marks</p> <p>OR</p> <p>B.E./B.Tech. in Computer Science</p>	35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday)
									29 th August, 2018 (Wednesday)

						<p>& Engg./ Computer Science & Technology/ Information Technology/ Electronics/ Electronics & Communication/ Instrumentation or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable: Experience in game development, 3D graphics, Maya, machine learning, Unity, Java, Python and dot net programming.</p>			
10.	MLP Project	“Technological solutions for contactless alive/dead detection of victim soldier in battle field”	<p>PA Level-II OR PA Level-III (Depending upon suitability)</p> <p>(PA Level-II: Rs. 25,000/- p.m. + HRA as per rules OR PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)</p>	02	Upto 31 st March, 2020	<p>(a) For PA Level-II: Essential Qualification: B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Electrical/ Electrical & Electronics Engg. or equivalent⁵ with minimum 55% marks</p> <p>(b) For PA Level-III: Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Advanced Instrumentation Engg. or equivalent⁵ with minimum 55% marks</p> <p>OR B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Electrical/ Electrical & Electronics Engg. or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	<p>29th August, 2018 (Wednesday)</p> <p>29th August, 2018 (Wednesday)</p>

						educational qualification Desirable [for (a) & (b)]: Knowledge of Embedded Systems/ Analog-Digital Hardware Design/ Signal Processing/ Machine Learning/ MATLAB/ LabVIEW and related Application Development.			
11.	MLP Project	"Electromyogram (EMG) controlled Below Elbow prosthesis "	a) 02 PA Level-II OR PA Level-III (EC) (Depending upon suitability) and b) 01 PA Level-II OR PA Level-III (Mech.) (Depending upon suitability) (PA Level-II: Rs. 25,000/- p.m. + HRA as per rules) (PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)	03	Upto 31 st March, 2020	(a) (i) For PA Level-II (EC): Essential Qualification: B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Electrical/ Electrical & Electronics Engg. or equivalent ⁵ with minimum 55% marks (ii) For PA Level-III (EC): Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Advanced Instrumentation Engg. or equivalent ⁵ with minimum 55% marks OR B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Electrical/ Electrical & Electronics Engg. or equivalent ⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification Desirable [for (a) (i) & (ii)]: Knowledge of Embedded Systems/	PA Level-II: 30 years PA level-III: 35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29th August, 2018 (Wednesday) 29th August, 2018 (Wednesday)

						<p>Analog-Digital Hardware Design/ Signal Processing/ Machine Learning/ MATLAB/ LabVIEW and related Application Development.</p> <p>(b) (i) For PA Level-II (Mech.): Essential Qualification: B.E./B.Tech. in Mechanical/ Mechatronics Engg./ Design or equivalent⁵ with minimum 55% marks</p> <p>(ii) For PA Level-III (Mech.): Essential Qualification: M.E./M.Tech. in Mechanical/ Mechatronics Engg./ Design or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Mechanical/ Mechatronics Engg./ Design or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (b) (i) & (ii)]: Knowledge of CAD design software, prototyping and robotics related application development.</p>			<p>30th August, 2018 (Thursday)</p> <p>30th August, 2018 (Thursday)</p>
12.	MLP Project	"Image-guided vascular vein visualizer: VeinViz"	PA Level-II OR PA Level-III (Depending upon suitability) (PA Level-II: Rs. 25,000/- p.m. + HRA as per rules OR PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)	02	Upto 31 st March, 2020	<p>(a) For PA Level-II: Essential Qualification: B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Electrical/ Electrical & Electronics Engg./ Computer Science or equivalent⁵ with minimum 55% marks</p> <p>(b) For PA Level-III: Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	<p>Five years age relaxation for statutory groups and women (As per CSIR norms)</p>	<p>29th August, 2018 (Wednesday)</p> <p>29th August, 2018 (Wednesday)</p>

						<p>Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Advanced Instrumentation Engg./ Computer Science or equivalent⁵ with minimum 55% marks</p> <p>OR</p> <p>B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Biomedical Instrumentation/ Biomedical Engg./ Mechatronics/ Mobile Computing/ Electrical/ Electrical & Electronics Engg./ Computer Science or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (a) & (b)]:</p> <p>1) Knowledge of Machine Vision/ Image Processing/ Embedded Vision Systems/ Signal Processing/ Soft Computing and Machine Learning, etc.</p> <p>2) Programming experience in C++/ Python/ OpenCV/ MATLAB and related Application Development.</p>			
13.	MLP Project	"Harvesting of electrical energy using geared AC synchronous motors to charge batteries of mobile phones"	PA Level-III (Rs. 28,000/- pm + HRA as per rules) (This post is for CSIR-CSIO Delhi Centre)	01	Upto 31 st March, 2020	<p>Essential Qualification: M.E./M.Tech. in Automotive/ Mechanical/ Production/ Industrial Engg. or equivalent⁵ with minimum 55% marks</p> <p>OR</p> <p>B.E./B.Tech. in Automotive/ Mechanical/ Production/ Industrial Engg. or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable:</p> <p>1) Candidates having knowledge of</p>	35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	30 th August, 2018 (Thursday)

						COMSOL/ AutoCAD or any other designing software will be given preference. 2) GATE/NET qualified candidates will be preferred.			
14.	GAP Project	"Metal Organic Framework (MOF) based fluorescence-SPR dual mode sensing platform for explosive detection"	JRF [Rs. 25,000/- + 20 % HRA pm for 1 st & 2 nd year. Rs. 28,000/- + 20% HRA pm for 3 rd year (for SRF as per DST OM No. SR/S9/Z-09/2012 dated 21.10.2014)]	01	Initially upto 9 th July 2019, extendable maximum upto 9 th July 2021 depending upon availability of funds	<p>Essential Qualification: M.E./M.Tech. in Material Science/ Nanoscience & Nanotechnology/ Chemical Engg. or equivalent⁵</p> <p>OR</p> <p>M.Sc. in Physics/ Chemistry/ Applied Physics or equivalent⁵ with NET/GATE qualification</p> <p>Desirable: Work experience in the field of nanomaterials, thin film, self-assembled monolayer, optical sensing.</p>	28 years	Age relaxation as per norms/orders of Government of India	30 th August, 2018 (Thursday)
15.	CSIR Project	"Safety and Security of Vital Installations – Vertical 4: Instrumentation for Border Security Management"	<p>PA Level-II OR PA Level-III (Depending upon suitability)</p> <p><u>(PA Level-II:</u> Rs. 25,000/- p.m. + HRA as per rules</p> <p>OR</p> <p><u>PA Level-III:</u> Rs. 28,000/- p.m. + HRA as per rules)</p>	08	Upto 31 st March, 2020	<p><u>(a) For PA Level-II:</u></p> <p>Essential Qualification: B.E./B.Tech. in Computer Science/ Information Technology/ Electronics/ Electronics & Communication/ Instrumentation/ Instrumentation & Control/ Electrical/ Electrical & Electronics Engg. or equivalent⁵ with minimum 55% marks</p> <p>Desirable: Knowledge of Programming, Database Management, Image and Signal Processing, Machine Learning, Embedded System Design, Data Communication.</p> <p><u>(b) For PA Level-III:</u></p> <p>Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Instrumentation & Control/ Mechatronics/</p>	<p><u>PA Level-II:</u> 30 years</p> <p><u>PA level-III:</u> 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday)
									29 th August, 2018 (Wednesday)

						<p>Computer Science/ Mobile Computing/ Electrical/ Advanced Instrumentation Engg. or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Computer Science/ Information Technology/ Electronics/ Electronics & Communication/ Instrumentation/ Instrumentation & Control/ Electrical/ Electrical & Electronics Engg. or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable: Knowledge of Image Processing and Computer Vision, Signal Processing, Machine Learning, LabVIEW, MATLAB, Embedded System Design, Wireless Communication, Programming.</p>			
16.	CSIR Project	“Intelligent Systems(IS) – Intelligent Technologies and Solutions – Task 3.1: AI based Seismic Signal analytics”	PA Level-II OR PA Level-III (Depending upon suitability) (PA Level-II: Rs. 25,000/- p.m. + HRA as per rules OR PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)	02	Upto 31 st March, 2020	<p>(a) For PA Level-II: Essential Qualification: B.E./B.Tech. in Computer Science/ Information Technology/ Electronics/ Electronics & Communication or equivalent⁵ with minimum 55% marks</p> <p>(b) For PA Level-III: Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Mechatronics/ Computer Science/ Mobile Computing/ Electrical/ Advanced Instrumentation Engg. or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Computer Science/ Information Technology/ Electronics/ Electronics &</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	<p>29th August, 2018 (Wednesday)</p> <p>29th August, 2018 (Wednesday)</p>

						<p>Communication/ Instrumentation/ Electrical/ Electrical & Electronics Engg. or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (b)]: Knowledge of Image Processing and Computer Vision, Signal Processing, LabVIEW, MATLAB, Embedded System Design, Database Management, Programming.</p>			
17.	GAP Project	“Nanosculptured thin films based enhanced plasmonic phenomena and their applications for clinical diagnostics and water sensing”	PA Level-II (Rs. 25,000/- p.m. + HRA as per rules)	01	Initially till 31 st January, 2019, extendable upto six more months depending upon availability of funds	<p>Essential Qualification: B.E./B.Tech. in Electronics & Communication Engg. or equivalent⁵ with minimum 55% marks</p> <p>OR</p> <p>M.Sc. in Physics with minimum 55% marks.</p>	30 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday)
18.	MLP Project	“AEISS FTT: Online Monitoring System for Detection of Night-Time Poor Visibility Areas in Urban Settings”	02 PA Level-II and 01 PA Level-III (PA Level-II: Rs. 25,000/- p.m. + HRA as per rules PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)	03	Upto 31 st March, 2020	<p>(a) For PA Level-II (CS): Essential Qualification: B.E./B.Tech. in Computer Science & Engg. / Information Technology or equivalent⁵ with minimum 55% marks</p> <p>Desirable: Experience in Image Processing, Java, Python and dot net programming.</p> <p>(b) For PA Level-II (EC): Essential Qualification: B.E./B.Tech. in Electronics/ Electronics & Communication Engg./ Instrumentation/ Instrumentation & Control/ Electronics & Computers or equivalent⁵ with minimum 55% marks</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday)

						M.Sc. (Tech.) Engineering Physics or equivalent ⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification Desirable: Experience in the design of Illumination/ Image Optics.			
20.	CSIR Project	“Food and Consumer Safety Solution (FOCUS), WP 2.1: Development of packaging integrated sensors for fruit juices ”	PA Level-II (Rs. 25,000/- + HRA as per rules)	01	Upto 31 st March, 2020	Essential Qualification: B.E./ B.Tech in Electronics/ Electronics & Communication/ Instrumentation/ Computer Science or equivalent ⁵ with minimum 55% marks Desirable: 1) Theoretical calculations, problem formulation and solving skills, data analysis and interpretation, Machine Learning and Mobile App programming. 2) GATE/NET qualified candidates will be preferred.	30 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29th August, 2018 (Wednesday)
21.	CSIR Project	“Food and Consumer Safety Solution (FOCUS), WP 3.3: System for detection of polyaromatic hydrocarbon in edible oil ”	PA Level-II (Rs. 25,000/- + HRA as per rules)	02	Upto 31 st March, 2020	(a) For PA Level-II (EC) (01 position): Essential Qualification: B.E./ B.Tech. in Electronics/ Instrumentation/ Electronics & Instrumentation/ Electronics & Control/ Instrumentation & Control or equivalent ⁵ with minimum 55% marks Desirable [for (a)]: 1) Experience in hands-on circuit realization and testing, Embedded System Design. 2) GATE/NET qualified candidates will be preferred. (b) For PA Level-II (Chem.) (01 position): Essential Qualification: M.Sc. in Chemistry/ Biochemistry/ Biotechnology/ Food Science or equivalent ⁵ with minimum 55%	30 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29th August, 2018 (Wednesday) 30th August, 2018 (Thursday)

						marks Desirable [for (b)]: 1) Experience in analytical techniques, sample handling, extraction, etc. 3) GATE/NET qualified candidates will be preferred.			
22.	CSIR Project	"Food and Consumer Safety Solution (FOCUS), <u>WP 3.2: Rancidity indicator strip for edible oils</u> "	PA Level-II (Rs. 25,000/- + HRA as per rules)	02	Upto 31 st March, 2020	Essential Qualification: M.Sc. in Chemistry/ Food Science or equivalent ⁵ with minimum 55% marks Desirable: 1) Experience in analytical techniques, sample handling, theoretical chemistry. 2) GATE/NET qualified candidates will be preferred.	30 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	30 th August, 2018 (Thursday)
23.	CSIR Project	"Food and Consumer Safety Solution (FOCUS), <u>WP 5.3: Opto/ electrochemical techniques for detection of pesticides in food matrix</u> "	PA Level-III (Rs. 28,000/- + HRA as per rules)	02	Upto 31 st March, 2020	Essential Qualification: M.E./M.Tech. in Nanotechnology/ Biotechnology/ Biochemistry/ Nano-biotechnology/ Food Biotechnology/ Food Technology or equivalent ⁵ with minimum 55% marks OR M.Sc./B.E./B.Tech. in Chemistry/ Biochemistry/ Biotechnology/ Immunology/ Chemical Science/ Food Technology/ Food Biotechnology/ Food Chemistry/ Microbiology/ Bio-nanotechnology or equivalent ⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification Desirable: GATE/NET qualified candidates will be preferred.	35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	30 th August, 2018 (Thursday)

24.	CSIR Project	"Food and Consumer Safety Solution (FOCUS), WP 5.4: Optical VOC sensor for monitoring fruit ripening and food spoilage"	<p>a) 01 PA Level-II OR PA Level-III (Chem.) (Depending upon suitability) and</p> <p>b) 01 PA Level-III (EC)</p> <p>(PA Level-II: Rs. 25,000/- p.m. + HRA as per rules)</p> <p>(PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)</p>	02	Upto 31 st March, 2020	<p>(a) (i) For PA Level-II (Chem.): Essential Qualification: B.E./B.Tech. in Material Science/ Nanoscience & Nanotechnology/ Chemical Engg. or equivalent⁵ with minimum 55% marks OR M.Sc. in Physics/ Chemistry/ Applied Physics or equivalent⁵ with minimum 55% marks</p> <p>(ii) For PA Level-III (Chem.): Essential Qualification: M.E./M.Tech. in Material Science/ Nanoscience & Nanotechnology/ Chemical Engg. or equivalent⁵ with minimum 55% marks OR M.Sc. in Physics/ Chemistry/ Applied Physics or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>(b) For PA Level-III (EC): Essential Qualification: M.E./M.Tech. in Electronics/ Instrumentation/ Electronics & Control/ Instrumentation & Control or equivalent⁵ with minimum 55% marks OR B.E./B.Tech. in Electronics/ Instrumentation/ Electronics & Control/ Instrumentation & Control or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (a) & (b)]: NET/GATE qualified candidates will be preferred.</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	<p>30th August, 2018 (Thursday)</p> <p>30th August, 2018 (Thursday)</p> <p>29th August, 2018 (Wednesday)</p>
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						<p>Desirable [for (b)]:</p> <ol style="list-style-type: none"> 1) Strong background of theoretical calculations, theoretical physics, design of experiment and computation, problem formulation and solving skills. 2) Experience in the area of electrostatics and its applications, thin film coatings to fruits and vegetables, food safety and nutrition, sample handling, computational software, OrCAD, PCB design, hardware and electronic design tools, embedded system, statistics and optimization techniques, data analysis and interpretation, etc. 3) GATE/NET qualified candidates will be preferred. <p>(c) For PA Level-III (01 position):</p> <p>Essential Qualification: M.E./M.Tech. in Electronics/ Instrumentation/ Electronics & Instrumentation/ Electronics & Control/ Instrumentation & Control or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Electronics/ Instrumentation/ Electronics & Instrumentation/ Electronics & Control/ Instrumentation & Control or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (c)]:</p> <ol style="list-style-type: none"> 1) Candidates of management courses with engineering background having experience 			<p>29th August, 2018 (Wednesday)</p>
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						<p>in business development & marketing.</p> <p>2) Experience in research/ incubation / product designing/ managing projects and leadership abilities/ product development and facilitating the products business plan & development/ socio-economic impact analysis etc.</p> <p>3) GATE/NET qualified candidates will be preferred.</p>			
26.	GAP Project	“Design, development and supply of HUD Mk-2 units for LCA Air Force (AF) Mk-2 and LCA Navy Mk-2 Aircrafts”	<p>01 PA Level-II and 02 PA Level-III</p> <p>(PA Level-II): Rs. 25,000/- p.m. + HRA as per rules</p> <p>PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)</p>	03	Upto 31 st December, 2018	<p>(a) For PA Level-II: Essential Qualification: B.E./B.Tech. in Mechanical Engg. or equivalent⁵ with minimum 55% marks.</p> <p>Desirable [for (a)]: Experience in the field of Tool design and operation of CNC machines for Precision Optics Fabrication.</p> <p>(b) (i) For PA Level-III (Mat. Sc.): Essential Qualification: M.E./M.Tech. in Material Science & Nanotechnology or equivalent⁵ with minimum 55% marks</p> <p>OR</p> <p>B.E./B.Tech. in Material Science & Nanotechnology or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>(ii) For PA Level-III (EC): Essential Qualification: M.E./M.Tech. in Embedded System/ Electronics & Communication/ Instrumentation/ Electronics & Instrumentation/ Advance Instrumentation/ Electrical & Electronics/</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	<p>30th August, 2018 (Thursday)</p> <p>30th August, 2018 (Thursday)</p> <p>29th August, 2018 (Wednesday)</p>

						<p>Electronics & Control System or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Electronics & Communication/ Instrumentation/ Electronics & Instrumentation/ Electrical & Electronics/ Electronics & Control System or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p>			
27.	CSIR Project	“Drone based Electromagnetic and Magnetic System DREAM”	<p>a) 01 PA Level-II OR PA Level-III (CS) (Depending upon suitability) and</p> <p>b) 02 PA Level-II OR PA Level-III (EC) (Depending upon suitability)</p> <p>(PA Level-II: Rs. 25,000/- p.m. + HRA as per rules)</p> <p>(PA Level-III: Rs. 28,000/- p.m. + HRA as per rules)</p>	03	Upto 31 st March, 2020	<p>(a) (i) For PA Level-II (CS): Essential Qualification: B.E./B.Tech. in Computer Science/ Information Technology or equivalent⁵ with minimum 55% marks</p> <p>(ii) For PA Level-III (CS): Essential Qualification: M.E./M.Tech. in Computer Science/ Information Technology/ Electronics or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Computer Science/ Information Technology/ Electronics or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (a) (i) & (ii)]: Excellent programming knowledge in C++/Java/VHDL/Verilog/Python. GATE qualified candidates will be preferred.</p> <p>(b) (i) For PA Level-II (EC): Essential Qualification: B.E./B.Tech. in Electrical/ Instrumentation/ Electronics or equivalent⁵ with minimum 55% marks</p>	<p>PA Level-II: 30 years</p> <p>PA level-III: 35 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	<p>29th August, 2018 (Wednesday)</p> <p>29th August, 2018 (Wednesday)</p> <p>29th August, 2018 (Wednesday)</p>

						<p>(ii) For PA Level-III (EC): Essential Qualification: M.E./M.Tech. in Electrical/ Power Electronics/ VLSI/ Mechatronics/ Instrumentation/ Electronics or equivalent⁵ with minimum 55% marks</p> <p>OR</p> <p>B.E./B.Tech. in Electrical/ Instrumentation/ Electronics or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (b) (i) & (ii)]: Knowledge of signal processing, embedded system, FPGA, Data Acquisition System, PCB development. GATE qualified candidates will be preferred.</p>			29 th August, 2018 (Wednesday)
28.	GAP Project	“Design and Development of Optical Gun Sight (OGS) for Dornier Aircraft”	01 PA Level-I and 01 PA Level-II (PA Level-I: Rs. 15,000/- p.m. + HRA as per rules) PA Level-II: Rs. 25,000/- p.m. + HRA as per rules)	02	Initially for 6 months, extendable upto 30 th April, 2020 depending upon availability of funds	<p>(a) For PA Level-I: Essential Qualification: Diploma in Mechanical or equivalent⁵ with minimum 55% marks</p> <p>(b) For PA Level-II: Essential Qualification: B.E./B.Tech. in Mechanical/ Optics or equivalent⁵ with minimum 55% marks</p> <p>Desirable [for (b)]: Experience in the field of design and fabrication of mechanical/ sub-systems with CAD/ CAE and lighting software.</p>	PA Level-I: 28 years PA level-II: 30 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	30 th August, 2018 (Thursday) 30 th August, 2018 (Thursday)
29.	GAP Project	“Publication of Directory of Scientific Instruments and Component Manufactured in India”	PA Level-II (Rs. 25,000/- p.m. + HRA as per rules)	01	Upto 31 st March, 2020	<p>Essential Qualification: M.Sc./B.E./B.Tech. in Computers/ IT or equivalent⁵ with minimum 55% marks</p> <p>Desirable: 1) Extensive knowledge in .Net Technology (C#,VB.Net, ASP.Net, MVC)/PHP Frameworks.</p>	30 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday)

						2) Experience of Database Design in SQL Server/ PostgreSQL/ MySQL.			
30.	MLP Project	"Design and Development of Indigenized Lyophiliser for preservation of Indian Fruits and Vegetables"	05 PA Level-I and 05 PA Level-II <u>(PA Level-I:</u> Rs. 15,000/- p.m. + HRA as per rules <u>PA Level-II:</u> Rs. 25,000/- p.m. + HRA as per rules)	10	Upto 31 st March, 2020	<p><u>(a) (i) For PA Level-I (Mech./Ref. & Air Cond.) (03 positions):</u> Essential Qualification: Diploma in Mechanical Engg. / Refrigeration & Air Conditioning or equivalent⁵ with minimum 55% marks</p> <p>Desirable: Hands-on experience in Refrigeration & Air Conditioning, Thermal Science, CAD modeling, HVAC, Mechanical Design.</p> <p><u>(ii) For PA Level-I (EC) (02 positions):</u> Essential Qualification: Diploma in Electronics/ Electronics & Communication Engg. / Instrumentation / Instrumentation & Control / Electronics & Computers / Mechatronics or equivalent⁵ with minimum 55% marks</p> <p>Desirable: Experience in handling Electronic equipment and components, Signal Conditioning, Embedded System, Control & Automation, PLC programming, PID Controller, LabVIEW, Matlab, multisim, etc.</p> <p><u>(b) (i) For PA Level-II (Mech./Ref. & Air Cond.) (02 positions):</u> Essential Qualification: B.E./B.Tech. in Mechanical Engg. / Refrigeration & Air Conditioning or equivalent⁵ with minimum 55% marks</p> <p>Desirable: Hands-on experience in Refrigeration & Air Conditioning, Thermal Science, CAD modeling, HVAC, Mechanical Design.</p>	<p><u>PA Level-I:</u> 28 years</p> <p><u>PA level-II:</u> 30 years</p>	Five years age relaxation for statutory groups and women (As per CSIR norms)	<p>30th August, 2018 (Thursday)</p> <p>29th August, 2018 (Wednesday)</p> <p>30th August, 2018 (Thursday)</p>

						<p>(ii) For PA Level-II (EC) (03 positions): Essential Qualification: B.E./B.Tech. in Electronics/ Electronics & Communication Engg. / Instrumentation / Instrumentation & Control / Electronics & Computers / Mechatronics or equivalent⁵ with minimum 55% marks</p> <p>Desirable: Experience in handling Electronic equipment and components, Signal Conditioning, Embedded System, Control & Automation, PLC programming, PID Controller, LabVIEW, Matlab, multisim, etc.</p>			29 th August, 2018 (Wednesday)
31.	MLP Project	“Design and Development of Enhanced Vision System for Military Surface Transport Vehicles”	PA Level-III (Rs. 28,000/- pm + HRA as per rules)	01	Upto 31 st March, 2020	<p>Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Electronics & Instrumentation or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Electronics/ Electronics & Communication/ Electronics & Instrumentation or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable: Knowledge of Embedded System Design and Analog-Digital Hardware Design.</p>	35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	29 th August, 2018 (Wednesday)
32.	MLP Project	“Design and Development of Bamboo Structures (Bamboo/Composite Sections & Joints)”	PA Level-II (Rs. 25,000/- pm + HRA as per rules)	02	Upto 31 st March, 2020	<p>Essential Qualification: B.E./B.Tech. in Mechanical Engg. or equivalent⁵ with minimum 55% marks</p> <p>Desirable: Knowledge of CAD modeling, Dynamic Simulation, FEA, STAAD, Mechanical Fabrication.</p>	30 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	30 th August, 2018 (Thursday)

33.	GAP Project	"Motor Rehabilitation of Children with Cerebral Palsy using Virtual Intelligence"	SRF (Rs. 28,000/- p.m. + HRA as per rules) (A.V.)	01	Upto 31 st August, 2020 (tentative)	<p>(a) For SRF (EC): Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Instrumentation & Control/ Electronics & Computers or equivalent⁵ plus two years of research experience in relevant field after acquiring essential educational qualification</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Instrumentation & Control/ Electronics & Computers or equivalent⁵ with GATE/NET qualification plus two years of research experience in relevant field after acquiring essential educational qualification</p> <p>(b) For SRF (CS): Essential Qualification: M.E./M.Tech. in Computer Science/ Computer Science Technology/ Information Technology or equivalent⁵ plus two years of research experience in relevant field after acquiring essential educational qualification</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Computer Science/ Computer Science Technology/ Information Technology or equivalent⁵ with GATE/NET qualification plus two years of research experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (a) & (b)]: Experience in LabVIEW, Embedded System, Game Development platforms, Unity/ Java/ C#</p>	32 years	Age relaxation as per norms/orders of Government of India	<p>29th August, 2018 (Wednesday)</p> <p>29th August, 2018 (Wednesday)</p>
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34.	GAP Project	“Molybdenum Disulphide Nanotemplates Based Electrochemical Nanosensor for Food Toxins AFB1 and AFM1”	<p>JRF [Rs. 25,000/- pm + HRA as per rules for 1st & 2nd year.</p> <p>Rs. 28,000/- pm + HRA as per rules for 3rd year (for SRF as per DST OM No. SR/S9/Z-09/2012 dated 21.10.2014)]</p> <p>(A.V.)</p>	01	Upto 14 th August, 2021 (tentative)	<p>Essential Qualification: M.Sc./B.E./B.Tech. in Chemistry/ Chemical Engg./ Nanotechnology/ Biotechnology or equivalent⁵ with NET/GATE qualification</p> <p>OR</p> <p>M.E./M.Tech. in Chemical Engg./ Nanotechnology/ Biotechnology or equivalent⁵</p>	28 years	Age relaxation as per norms/orders of Government of India	30 th August, 2018 (Thursday)
35.	GAP Project	“Machine for performing double volume exchange transfusions (DVET)”	<p>JRF [Rs. 25,000/- pm + HRA as per rules for 1st & 2nd year.</p> <p>Rs. 28,000/- pm + HRA as per rules for 3rd year (for SRF as per DST OM No. SR/S9/Z-09/2012 dated 21.10.2014)]</p> <p>(A.V.)</p>	02	Upto 31 st August, 2020 (tentative)	<p>(a) For JRF (EC) (01 position): Essential Qualification: M.E./M.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Mechatronics or equivalent⁵</p> <p>OR</p> <p>B.E./B.Tech. in Electronics/ Electronics & Communication/ Instrumentation/ Mechatronics or equivalent⁵ with GATE/NET qualification</p> <p>Desirable [for (a)]: Knowledge of advanced microcontrollers, sensors, signal processing, embedded system design, programming knowledge in C/C++, hands-on circuit realization and testing.</p> <p>(b) For JRF (Mech.) (01 position): Essential Qualification: M.E./M.Tech. in Mechanical/ Mechatronics or equivalent⁵</p> <p>OR</p> <p>B.E./B.Tech. in Mechanical/ Mechatronics or equivalent⁵ with</p>	28 years	Age relaxation as per norms/orders of Government of India	<p>29th August, 2018 (Wednesday)</p> <p>30th August, 2018 (Thursday)</p>

						GATE/NET qualification Desirable [for (b)]: Experience in fabrication and design of mechanical systems with CAD/CAE software. Knowledge of working with various sensors.			
36.	CSIR Project	"Design & Development of HUD for Passenger Aircraft"	PA Level-III (Rs. 28,000/- pm + HRA as per rules) (A.V.)	03	For a period of two years (tentative)	<p>(a) For PA Level-III (Mech.): Essential Qualification: M.E./M.Tech. in Mechanical or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Mechanical or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (a)]: Experience in the field of design and fabrication of mechanical/ avionics systems/ sub-systems with CAD/CAE software.</p> <p>(b) For PA Level-III (EC): Essential Qualification: M.E./M.Tech. in Electronics or equivalent⁵ with minimum 55% marks</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Electronics or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (b)]: Experience in the field of design and fabrication of electronic PCB, circuits, etc.</p> <p>(c) For PA Level-III (Optics): Essential Qualification: M.E./M.Tech. in Optics/ Optical Instrumentation or equivalent⁵ with minimum 55% marks</p>	35 years	Five years age relaxation for statutory groups and women (As per CSIR norms)	<p>30th August, 2018 (Thursday)</p> <p>29th August, 2018 (Wednesday)</p> <p>30th August, 2018 (Thursday)</p>

						<p style="text-align: center;">OR</p> <p>M.Sc./B.E./B.Tech. in Optics/ Optical Instrumentation or equivalent⁵ with minimum 55% marks plus two years experience in relevant field after acquiring essential educational qualification</p> <p>Desirable [for (c)]: Experience in the field of design of optical components and optical design software.</p>			
37.	GAP Project	“Hand Held Advanced Moisture Meter for Made Tea”	SRF (Rs. 28,000/- pm + HRA as per rules) (A.V.)	02	For a period of two years (tentative)	<p>Essential Qualification: M.E./M.Tech. in Instrumentation/ Computer Science/ Electronics/ Electrical or equivalent⁵ plus two years of research experience in relevant field after acquiring essential educational qualification</p> <p style="text-align: center;">OR</p> <p>B.E./B.Tech. in Instrumentation/ Computer Science/ Electronics/ Electrical or equivalent⁵ with GATE/NET qualification plus two years of research experience in relevant field after acquiring essential educational qualification</p> <p>Desirable:</p> <ol style="list-style-type: none"> 1) Hands-on with latest microcontroller platforms including Arduino, PIC, MSP430, 8/16 bit etc., expertise in embedded C. 2) Analog and digital circuit designing, simulations, modelling, fabrication, testing and application product development. 3) Experience in developing codes in high level languages such as Python, VC++, etc. For R-Pi, DSPs-processors and similar high end hardware platforms. 4) Exposure in working on Matlab, R, R-PI, multivariate software, 	32 years	Age relaxation as per norms/orders of Government of India	29 th August, 2018 (Wednesday)

						etc. 5) Knowledge of soft computing techniques, machine learning and artificial intelligence tools and optimisation techniques such as Genetic Algorithm (GA), Particle Swam Optimisation (PSW), etc. 6) Research experience in design and development of embedded system, Electronics/ Design and Fabrication Instrumentation and Control, etc. 7) Knowledge of Computational Software/ OrCAD/ PCB Design/ MATLAB/ Optimization Techniques & Data Analysis, Hardware and Electronic Design Tools, etc. 8) Willingness to travel/field work. 9) Candidates desirous to pursue PhD will be preferred.			
Total vacancies			--	83	--	--			

A.V.: Anticipated Vacancy

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

Please note:

- 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.**
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 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.
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. All the above positions in CSIR-CSIO are purely temporary contractual engagement co-terminus with the projects.
13. Other terms & conditions will be governed as per guidelines issued by the funding agency/CSIR for the engagement of above Project Staff as amended from time to time.

Controller of Administration