CSIR-CSIO

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

150 YEARS OF CELEBRATING THE MAHATMA

Advertisement No 01/2020

[Filling up of temporary positions and preparing a waitlisted panel for future requirements against various GAP/CSIR sponsored R & D projects]

Candidates who fulfill the under-mentioned criteria of age, educational qualifications, and experience etc. may apply online on our website www.csio.res.in till **29th July 2020** up to 17.00 hours with certificates including SC/ST/OBC/PH/Educational Qualification/Experience certificates etc). Engagement will be purely on contract/temporary basis co-terminus with the completion of the project. The date and time for holding physical/virtual interviews will be intimated on our website/ intimated through e-mail in due course.The details of the present available tentative positions are as follows:-

Before filling online application form, the candidates are advised to go through essential qualifications for their eligibility, as mentioned below (Table 1) for the positions being advertised, as detailed in table 2, and choose the positions for making application :-

Table 1

Table 1Essential Qualification

Sl. No.	Manpower Positions	Essential Qualification (in the area/discipline mentioned against each position)
01	Project Assistant	B.Sc. / 03 years Diploma in Engineering. & Technology
02	Project Associate -I	Master's Degree in Natural or Agricultural Sciences/ MVSc OR Bachelor's degree in Engineering or Technology or Medicine from a recognized University OR Equivalent
03	Project Associate -II	(i) Master's Degree in Natural or Agricultural Sciences/ MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized university or Equivalent. (ii) 2 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organization and Scientific activities and services
04	Project Scientist -II	(i) Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized university or equivalent; and (ii) Three years' experience in Research and Development in Industrial and Academic Institution or Science and Technology Organisation and Scientific activities and services
05	JRF (Junior Research Fellow)	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 Department and their Agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.
06	SRF (Senior Research Fellow)	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* :- Scholars who are selected through National Eligibility Tests- CSIR- UGC NET including lectureship (Assistant Professorship) and GATE. The selection process through National level examination conducted by Central Government Department and their Agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc. **+ Two years of experience as JRF.**
07	Scientific Admin. Asstt.	Graduate degree in any discipline.

Table 2 (Present and Anticipated Requirements)

Sr. No.	Name of the Scheme/Project		Positions & Stipend/Emoluments	No. of Positions	Tenure/ Project Duration	Essential Qualification in the area/discipline	Upper age limit (as on the last date of online application)
1.	GAP Project	Graphene Based electrochemical detection of Breast cancer biomarkers	Project Associate -I (Rs. 31,000/- + HRA)	01	Up to March/August 2021 (PDC)	Nano-Science & technology **Desirable** : M. Tech in Nano-Science & technology	35 years
2.	GAP Project	Dual Visible Light and Temperature Responsive Smart Hydogels	Project Assistant (One No.) Rs. 20,000/- + HRA Increment of 15 % for 03 years of experience with maximum ceiling of 04 such revisions ie upto 12 years of experience.	01	Up to 06th November, 2021	**Qualification area: Chemistry / Biotechnology /Polymer Sciences/ Nano Science/ Nano technology** **Desirable** B.Sc./ M.Sc. Chemistry/ Biotechnology/Polymer Science or M.tech in Nano Science/ Nano Technology/ Polymer Science	50 years
3.	GAP Project	Developing a System view of Health Challenges in india.	Project Associate -II: Rs. 35,000/- + 16 % HRA pm (as applicable)	02	Up to May 2022.	**Computer Science / Information Technology /Electronics & Communication Engg./ Electrical Engg.** **Desirable :** **HTML, AJAX, jquery, Java Script, Bootstrap, CSS, PHP, MySQL** **Machine Learning/ Data cleaning & analysis and visualization /Python**	**Project Associate -II : 35 years**

4.	**GAP Project**	**"Development of 3D printed Lattice Hip Implant"**	**Project Assistant** **(One No.)** **Rs. 20,000/- + HRA** **Increment of 15 % for 03 years of experience with maximum ceiling of 04 such revisions ie upto 12 years of experience.**	**01**	**Up to 28.02.2021**	**Qualification area: Mechanical Engg.** **Desirable** :- (Diploma in Mechanical/ Production Engg.)	50 years
5.	**CSIR Project** **AV**	**Development of Precision Optical Coating for Beam Manipulation in Airborne infrared Search & Track Systems**	**Project Assistant** **(One No.)** **Rs. 20,000/- + HRA** **Increment of 15 % for 03 years of experience with maximum ceiling of 04 such revisions ie upto 12 years of experience.**	**01** **(a)**	**Up to 31st March 2023. (approximately)**	**Qualification area: Mechanical Engg** **Desirable** : Candidates with experience in the field of design and fabrication of mechanical sub systems , Knowledge of optical component fabrication will be preferred.	**Age :50 years**
			Project Associate -I **Rs. 31000/- + HRA**	**02** **(b)**	**Up to 31st March 2023. (approximately)**	**Qualification area : Mechanical Engg/ Physics/ Applied Optics OR BE/B.Tech in Mechanical Engg. Or Equivalent** **Desirable**: **Experience in the field of vacuum deposition systems, handling and maintenance of vacuum pumps and high vacuum components, handling o f analytical instruments will be preferred.**	**Age : 35 years**

6.	CSIR Project AV	Batch digital microscopy with market specific auto scoring for high throughput analytics	Project Associate -I: Rs. 31,000/- + HRA pm (as applicable) OR Project Associate -II: Rs. 35,000/- + 16 % HRA pm (as applicable) (Depending upon suitability) Project Associate -I (Mech.) : Rs. 31,000/- + HRA pm (as applicable) OR Project Associate -II (Mech.) : Rs. 35,000/- + 16 % HRA pm (as applicable) Depending upon suitability)	02(a) + 01(b)	Up to March, 2022	Qualification area: Computer Science/ Information Technology/ Electronics or equivalent Desirable: •Excellent knowledge-in in C++/ Python/ Java Preference will be given to GATE qualified candidates. Mechanical Engg. Excellent knowledge in AutioCAD or other design software and experience in Robotics application	Project Associate -I: 35 Project Associate -II : 35 years
7.	CSIR Project AV	Drone based Electromagnetic And Magnetic system (DREAM)	Project Associate -I (Depending upon suitability) Project Associate -I: Rs. 31,000/- + HRA OR (depending upon suitability)	01	Up to March 2021	Qualification area: Computer Science/ Instrumentation/ Information Technology/Electronics/ Electrical Engg Desirable: • Programming knowledge of C++/ Python/ Java/VHDL/ Verilog/Python	Project Associate –I : 35 years Project Associate -II

			Project Associate -II : Rs. 35,000/- + HRA				: 35 years
8.	GAP Project	" Development of hematite based sustainable floating photocatalyst for transformation of atrazine and bisphenol A"	Project Assistant (One No.) Rs. 20,000/- + HRA Increment of 15 % for 03 years of experience with maximum ceiling of 04 such revisions ie upto 12 years of experience.	01	Up to November 2021	Bachelor of Science (B.Sc) Desirable: M.Sc.	50 years
9.	GAP Project	" Publication of Directory of Scientific Instruments and components manufactured in India"	Project Assistant (One No.) Rs. 20,000/- + HRA Increment of 15 % for 03 years of experience with maximum ceiling of 04 such revisions ie upto 12 years of experience. Project Associate -I (Rs. 31,000/- + HRA)	01 01	Up to 30st Sept , 2020 Up to 30st Sept, 2020	Qualification area : Computers / IT Engg. Qualification area : Computers / IT Engg. Desirable : Extensive Knowledge in Net Technology (C # , VB. Net, ASP.Net, MVC)/ PHP frameworks/	For Project Assistant : 50 years Project Associate –I : 35 years

						Experience in Database Design in SQL Server/ Postgre SQL/MySQL.	
10.	**CSIR Project**	**"Advanced Functional nano Surfaces for Optical Sensing of Emerging Pollutants and Their Removal"**	JRF (05 nos) Rs.31000 + 16 % HRA pm Or (Depending up on Suitability) **SRF (05 nos.)** **SRF: Rs. 35,000/- + (16 % HRA pm)**	**05**	**Up to 31.03.2022**	**Qualification area :** **Chemistry/ Biochemistry/ Biotechnology/ Chemical/Nano Tech/Material Science / Instrumentation** **Desirable :** **Experience in Bio/ Nano**	**For JRF :** 28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC) **For SRF :** 32 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)
11.	GAP Project AV	**" Surface Topography and Kinematics of active faulting in the Sub- Himalaya, close to Chandigarh : Implication to infrastructure development and Seismic hazard for a proposed smart city"**	JRF (01) Rs.31000 + 16 % HRA pm	**01**	**For Three years**	**Qualification area : Geology/ Geophysics/Remote sensing/Physics** **Desirable :** **Research Experience**	28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)

12	**GAP Project** AV	**"Development of Whispering Gallery Mode (WGM) resonator into optical fiber axicon tip for WGM excitation and sensing application"**	JRF Rs.31000 + 16 % HRA pm	**01**	**For three years (up to Feb, 2023)**	**Qualification area :** Physics/Optoelectronics/Electronics or equivalent/Applied optics/Electronics & Communication or equivalent **Desirable :** M.Tech.	28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)
13	**GAP Project AV**	**"Characterizing risk indicators to cause anaemia prevalence among young children and adolescents in BRICS countries using artificial intelligence"**	JRF (1st & 2nd year) & SRF (3rd year) (Rs.31000 + 16 % HRA pm for 1st & 2nd year and Rs. 35,000/- + 16% HRA pm for 3rd year for SRF as per DST OM No. SR/S9/Z-09/2012 dated 21.10.2014)	**01**	**For three years**	**Qualification area :** Computer Science/IT/Electronics/Electrical/Instrumentation or equivalent **Desirable :** • Programming knowledge of Python/R/C/C++ • Knowledge or willingness to learn machine learning, website development or social media analytics.	28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)
14	**CSIR Project AV**	**"CSIR Integrated Skill Initiative (2020-2025)"**	**Project Assistant** **Rs. 20,000/- + HRA Increment of 15 % for 03 years of experience with maximum ceiling of 04 such revisions ie upto 12 years of experience.**	**01(a)**	**Up to 31st March , 2025**	**Qualification area :** Mechanical Engg./Instrument Technology/Manufacturing/Production/Tool & Die/Advanced Diploma in Die & Mould Making of full time duration. **Job Profile :** To impart practical and theory training in the field of Mechanical Engineering **Desirable:** Working experience of conventional & CNC machines in industry/Knowledge of CAD/CAM Softwares is desirable.	**For Project Assistant :** 50 years

			Project Assistant **Rs. 20,000/- + HRA** **Increment of 15 % for 03 years of experience with maximum ceiling of 04 such revisions ie upto 12 years of experience.**	**01 (b)**	**Up to 31st March , 2025**	**Qualification area :** Electronics/Instrumentation/Advanced Diploma in Mechatronics and Industrial Automation of full time duration. **Job Profile/Desirable:** To impart practical and theory training in the field of Electronics/Electrical Engineering/ Mechatronics and Industrial Automation.	**For Project Assistant :** 50 years
			Project Associate -I **(Rs. 31,000/- + HRA)**	**02(c)**	**Up to 31st March , 2025**	**Qualification area :** Electronics/Instrumentation/Mechatronics **Job Profile :** To impart practical and theory training in the field of Electronics/Electrical Engineering/ Mechatronics and Industrial Automation. **Desirable**: One year experience in the relevant field/area.	**For Project Associate –I :** 35 years
			Project Associate -I **(Rs. 31,000/- + HRA)**	**02(d)**	**Up to 31st March , 2025**	**Qualification area :** Mechanical/Manufacturing/Production Engg. **Job Profile:** To impart practical and theory training in the field of Mechanical Engineering. **Desirable :** One year working experience of conventional & CNC	**For Project Associate –I :** 35 years

			Scientific Administrative Assistant **(Rs. 18,000/- + HRA)**	**01(e)**	**Up to 31st March , 2025**	machines in industry/knowledge of CAD/CAM softwares. **Desirable :** To manage the activities related to admission, counselling, placement, soft skills, workshops, conferences, etc. of skill development project.	**For Scientific Administrative Assistant:** 50 years
15	**CSIR Project**	**"Rural Penetration and Pilot trials for Divyanayan"**	**Project Associate -I** **(Rs. 31,000/- + HRA)** **OR (Depending upon Suitability)**	02	Initially for a duration of three months from the date of joining, which may be extended maximum upto 31st March, 2021 subject to availability of funds.	**Qualification area: Electronics/ Instrumentation/ Electrical/Computer Science/ Information Technology** **Desirable**: • Knowledge of IoT, embedded systems, Cloud computing algorithms and database • Programming knowledge of C/C++/ Python/ Java/PHP/LARAVEL/SQL/and cloud based. • Preference will be given to gate qualified candidates.	**Project Associate -I** **:** 35 years

			Project Associate -II **: Rs. 35,000/- + HRA**				**Project Associate -II** **:** 35 years
16	**GAP Project AV**	**"Design and development of optical sensors and systems to measure and monitor online Dissolved Oxygen (DO) along the ocean depth"**	JRF Rs.31000 + 16 % HRA pm	**02**	**Up to 31st Jan , 2022**	**Qualification area :** Physics/Applied Physics/Optoelectronics/Electronics & Communication/Instrumentation & Control/Optical Engineering/Applied Optics. **Desirable:** • **JRF 1**: Good hands on experience in LabVIEW programming, microprocessors and microcontrollers, embedded system design and VLSI. • **JRF 2**: desirable knowledge of Instrument and system design, automation, Signal processing, IoT, wireless communication, circuit design. • During project period intensive travel is required to visit NIOT, Chennai for the technical discussions, sensor testing and field trials in the ocean.	28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)
17	**GAP Project**	**"DEEP: Development of an Efficient Photoelectrode for Hydrogen Fuel from Water"**	JRF Rs.31000 + 16 % HRA pm (Convertible to SRF in 3rd Year)	**01**	**Up to March , 2022**	**Qualification area :** Physics/Material Science/Chemistry or equivalent **Desirable :** Knowledge of Material Physics and Engineering	28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)
18	**GAP Project**	**"Artificial Intelligence based vision for grasp classification in prosthetic hands"**	JRF or SRF (**JRF:** Rs.31000 + 16 % HRA pm **or** **SRF:** Rs.35000 + 16 % HRA pm)	**01**	**Up to 31st March , 2023**	**Qualification area :** Mechatronics/Electronics/Mechanical **Desirable :** Knowledge of Artificial Intelligence, Working knowledge in CAD softwares and experience in Robotic applications. **(Same as above for JRF)**	For JRF: 28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)

							For SRF : 32 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)
19	**CSIR FBR Project AV**	**"Design and development of precision infrared optical elements for thermal imaging"**	**Project Associate -I (Rs. 31,000/- + HRA)**	**02**	**Up to 31st March, 2023**	**Qualification area :** Physics/Applied Physics /Applied Optics/Mechanical Engg. **Desirable :** Candidates with experience in the field of design and fabrication of mechanical sub-systems, hands on ultraprecision machining, knowledge of optical component fabrication will be preferred.	**For Project Associate –I & II:** **35 years**
			Project Associate -II (Rs. 35,000/- + HRA)	**01**	**Up to 31st March, 2023**	**Qualification area :** Mechanical Engg./Optical engg. **Desirable :** Experience in the field of optical design and simulation, mechanical design & simulation using ANSYS, knowledge of handling of analytical instruments will be preferred.	
20	**CSIR Project AV**	**"Development of Dialysis machine for haemodialysis of chronic kidney disease patients"**	**Project Associate -I (Rs. 31,000/- + HRA)**	**02**	**Up to March, 2023**	**Qualification area for position 1 :** Electronics/ECE/Electronics & Instrumentation/ Mechatronics or equivalent **Qualification area for position 2 :** Mechanical Engg./ Mechatronics or equivalent **Desirable for position 1 :** Knowledge of advanced microcontrollers, sensors, signal processing, embedded system design, programming knowledge in C/C++, hands on circuit realization, electronic design & control, PCB fabrication, testing and evaluation. **Desirable for position 2 :** Experience in fabrication and design of mechanical systems with CAD/CAE software, knowledge of hydraulic pumps.	**For Project Associate –I :** 35 years

21	**CSIR Project A.V.**	**Design and Development of Dristiscope -An operating microscope**	**Project Associate -I (Rs. 31,000/- + HRA)**	**01**	**Up to June, 2023**	Qualification area for position : Mechanical Engg. or equivalent Desirable : Two years experience in Mechanical Design Software, Opto- Mechanical Fabrication	**For Project Associate –I :** 35 years
22.	**CSIR Project AV**	**Bio-mechatronic orthotic device for rehabilitation of motor disorders (BioMOD)**	**Project Associate -I (Rs. 31,000/- + HRA)**	**01**	**03 Years Duration**	Qualification area : Computer Science/Electronics & Communication/instrumentation/Electronics/Instrumentation & Control/Electronics & Computers Desirable : Experience in development of Virtual Reality/ Virtual intelligence based applications; Exergames in unity/ C#/Java/ android; Machine learning and artificial intelligence; Animation software like Maya/ Blenders/Vuforia.	**For Project Associate -I:** **35 years**
23.	**AV**	**Robotic Gait Trainer for Rehabilitation of Spinal Cord Injury Patients ROBOG**	**Project Associate -I (Rs. 31,000/- + HRA)** **OR** **JRF** (**JRF:** Rs.31000 + 16 % HRA pm **Project Associate -II (Rs. 35,000/- + HRA)** **OR** **SRF:** Rs.35000 + 16 % HRA pm)	**01** **02**	**03 Years**	Qualification area : ECE/ Electronics /Electronics & Communication/instrumentation/Instrumentation and Control/ Mechanical Engg. Or Equivalent Desirable : Experience in Mechanical design/CAD CAM/ Fabrication, Assembly/ Experience in Lab view, Embedded system for Biomedical Applications and electronic design of medical devices Qualification area : ECE/ Electronics /Electronics & Communication/instrumentation/Instrumentation and Control/ Mechanical Engg. / CAD CAM / manufacturing Technology with two years of R & D / industrial Experience after BE/BTech Desirable : Experience in Mechanical design/CAD CAM/ Fabrication, Assembly/ Experience in Lab view, Embedded system for Biomedical Applications and electronic design of medical devices	**For Project Associate –I & II:** **35 years** **For JRF :** 28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC) **For SRF :**32 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)

24.	**CSIR AV**	**Dynamic Postural stability Assessment System**	**01(a)** **Project Scientist-II** **(Rs. 67,000/- + HRA)**	**01**	**01 Year**	Qualification area : ECE/ Electronics /Electronics Design & Technology/instrumentation/Instrumentation and Control. Or Equivalent / with three years of experience in R & D. Desirable : Experience in Human Biomechanics, Postural Stability Assessment, GAIT Analysis, Lab view, Embedded system for Biomedical Applications and Electronic design of Medical devices and clinical trials of medical devices	**For Project Scientist –II** **40 years**
			01(b) **Project Associate -II** **(Rs. 35,000/- + HRA)** **OR** **SRF:** Rs.35000 + 16 % HRA pm)	**01**	**01 Year**	Qualification area : ECE/ Electronics/ Computer/Mechanical /Electronics & Communication/instrumentation/Instrumentation and Control/ Mechanical Engg. / CAD CAM / manufacturing Technology with two years of R & D / industrial Experience after BE/BTech Desirable : Experience in Mechanical design/CAD CAM/ Fabrication, Assembly/ Experience in Lab view, Embedded system for Biomedical Applications and electronic design of medical devices, Experience in Software development/unity / data base management.	**For Project Associate –II:** **35 years** **For SRF :**32 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years
25	**CSIR AV**	**Plasmonic Photothermal based sterilization Device for Surgical instruments**	**01(a)** **Project Associate -II** **(Rs. 35,000/- + HRA)** **OR**	**01**	**03 Years**	Qualification area : ECE/ Electronics /Electronics & Communication/instrumentation/Instrumentation and Control/ Robotics & Automation / Control System/ Optics and Optoelectronics/ Optoelectronics or Equivalent. Desirable :	**For Project Associate –II:** **35 years** **For SRF :**32 years

			SRF: Rs.35000 + 16 % HRA pm) + **01(b)** **Project Associate -II** **(Rs. 35,000/- + HRA)** **OR** **SRF:** Rs.35000 + 16 % HRA pm)	**01**		Experience in electronics circuit design, control & automation. NET/GATE Qualification area : Mechanical/ Mechatronics / optics & optoelectronics/Photonics/ Optics/ Applied Optics or Equivalent. Desirable : Experience in Mechanical/ Optical/ Opto Mechanical Design. NET/GATE	Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for SRF.
26	**CSIR AV**	**CSIR Vascu-Guide**	**Project Associate -I** **(Rs. 31,000/- + HRA)** **OR (Depending upon Suitability)** **Project Associate -II** **: Rs. 35,000/- + HRA**	**01**	**03 Years**	Qualification area : Electronics/Computer Science /Electronics & Communication/ Biomedical instrumentation/ Biomedical Engg/ Mechatronics / Mobile Computing/ Advanced Instrumentation Engg. or Equivalent. Desirable : Knowledge & Experience of embedded system development/ microcontrollers/Circuit design/ PCB assembly/ Programming Knowledge in C /C++/ Python/ Java/ or android application development.	**For Project Associate –I & II:** **35 years**
27	**CSIR AV**	**Development of Additive Manufactured Pelvis Revision Surgery Implants**	**Project Associate -I** **(Rs. 31,000/- + HRA)**	**02**	**Up to March 2023**	Qualification area : Mechanical or Production Engg. Desirable : Experience in CAD, FEA	**For Project Associate –I :** **35 years**

28	**GAP Project**	**" Ges-Chair : Finger Gesture based alternate drive controlled for powdered wheelchairs"**	JRF or SRF (**JRF:** Rs.31000 + 16 % HRA pm **or** **SRF:** Rs.35000 + 16 % HRA pm) (Depending upon suitability)	**01**	**Up to 15th June 2021**	Qualification area : Electronics/Electricals & Electronics/Electrical/Computer Science /Electronics & Communication/ Biomedical instrumentation/ Biomedical Engg/ information Tech. or Equivalent. Desirable : Knowledge & Experience of embedded system development/ microcontrollers/Circuit design/ PCB assembly/ Programming Knowledge in C /C++/ Python/ Java/ or android application development.	**For JRF :** 28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC) **For SRF :**32 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)
29.	**CSIR Project AV**	**"Development of thermal imaging based non invasive technique for diagnosis of musculoskeletal disorders (MSD)'**	**Project Associate -I** **(Rs. 31,000/- + HRA)**	**03**	**03 Years**	Qualification area : Electronics/Electricals & Electronics/Computer Science & Engg /Electronics & Communication/ Biomedical instrumentation/ Mechatronics/ Biomedical Engg/ information Tech. or Equivalent. Desirable : Thermal Imaging processing/ Biomedical imaging/ Computer Vision / MATLAB/ Machine Learning/ Embedded System	**For Project Associate –I :** **35 years**
30.	**NWP Project AV**	**JIGYASA Phase -II**	**1 (a)** **Project Assistant** **Rs. 20,000/- + HRA** **Increment of 15 % for 03 years of experience with maximum ceiling of 04 such revisions ie upto 12 years of experience.** **+** **1(b)** **Project Associate -I** **(Rs. 31,000/- + HRA)**	**01** **01**	**05 Years** **Up to March 2025**	Qualification area : B.Sc./Diploma (Physics/Chemistry/Maths/Computer Science/Electronics) Desirable: Science Communication, Science Outreach in Schools, Good Communication Skills, Advanced knowledge of computer Qualification area : Electronics/Computer Science or equivalent) or M.Sc. (Chemistry/Physics/Electronics/Mathematics/Computer Application) or equivalent Desirable: Knowledge of Software Development, Embedded System, Science Communication.	**For Project Assistant :** 50 years **For Project Associate –I :** **35 years**

31.	**CSIR Project AV**	**"Design and development of multiplexed cassette for cardiac biomarker detection'**	**Project Associate -II (Rs. 35,000/- + HRA)**	**01**	**Up to March 2023**	Qualification area : Chemistry/ Biotechnology/Biochemistry/chemical/Nano Tech/ Material Science/ Bio-nano Technology/ Forensic Science or Equivalent/relevant Desirable : Experience in Bio/ Nano	**For Project Associate –I :** **35 years**
32.	**CSIR Project AV**	**" Sensitive bio (chemo) sensing strip (s) for chemical food containment"**	**Project Associate -I (Rs. 31,000/- + HRA)** **OR (Depending upon Suitability)** **Project Associate -II : Rs. 35,000/- + HRA**	**02**	**Up to March 2023**	Qualification area : Chemistry/Biotechnology/Biochemistry/chemical/Nano Tech/ Material Science/ Bio-nano Technology/ Forensic Science or Equivalent/relevant Desirable : Experience in Bio/ Nano **Or** **Qualification area :** Computer Science/IT **Desirable :** • Programming knowledge of Python/R/C/C++ • Android mobile app development • Machine learning, media analytics.	**For Project Associate –I and II :** **35 years**
33.	**CSIR Project AV**	**"Narcotics Detection & Management System"**	**Project Associate -I (Rs. 31,000/- + HRA)** **OR (Depending upon Suitability)** JRF (**JRF:** Rs.31000 + 16 % HRA pm	**01**	**Up to March 2023**	Qualification area : Chemistry/ Biotechnology/Biochemistry/chemical/Nano Tech/ Material Science/ Bio-nano Technology/ Forensic Science or Equivalent/relevant Desirable : Experience in Bio/ Nano or M.Tech in Nano-Science & Technology	**For Project Associate –I :** **35 years** **For JRF :** 28 years Age relaxation as per norms/orders of Government of India (5 years for SC/ST/PwBD/Women & 3 years for OBC)

34.	**GAP Project**	**" Design and Development and Supply of HUD MK-2 units for LCA Aircraft (AF) Mk-2 & LCA Navy Mk-2 –Aircraft "**	**Project Associate -I (Rs. 31,000/- + HRA)** **+** **Project Associate -II : Rs. 35,000/- + HRA**	**01** **01**	**Up to December 2021**	Qualification area : Mechanical Engg. or Equivalent Desirable : One year experience in the field of Mechanical design and Knowledge of CAD/CAE tools. Qualification area : Electronics/ Electronics & instrumentation/ Electronics & Control/ Electronics & Communication Engg. or Equivalent Desirable : Experience in the design of electronics, instrumentation, sensors.	**For Project Associate –I and II :** **35 years**
35.	**SSP Project**	**" Development of Aspheric Mirrors By Aspherical Grinding and Polishing of Zerodur Mirror Blanks for Space applications"**	**Project Associate -I (Rs. 31,000/- + HRA)**	**01**	**Up to 06th June 2022**	Qualification area : Mechanical Engg. or Equivalent Desirable : One year experience in the Optical fabrication.	**For Project Associate –I :** **35 years**
Total vacancies (Tentative)			**--**	**66**	**--**		**--**

A.V.: Anticipated Vacancy (Physical receipt of funds/ sanction from sponsoring agency is anticipated in near future),
*** Candidates possessing essential qualification (E.Q.) in the required area/discipline only should apply, others are not eligible.**

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(if applicable) 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 up to 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 apply for the position, Selection/Screening Committee will have discretion to shortlist the candidates for interview based on written exam or percentage of marks or desirable qualification/experience or higher qualification or any other criteria deemed fit. 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 Headquarters for the projects sponsored by CSIR shall be applicable as per CSIR OM dated February 06, 2020. (available on www.csir.res.in)
15. DST OM No. SR/S9/Z-08/2018 dated 30.01.2019 shall be applicable for DST sponsored projects for JRF/SRF.
16. CSIR Guidelines for Ethics in Research and in Governance, as made applicable vide CSIR OM No. 30/GB/2019-MD dated February 28, 2020 (available on csir.res.in) and amended from time to time shall apply.
17. 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