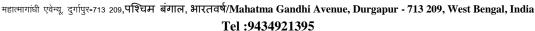सी एसआईआर–केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधानसंस्थान
CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE
(वैज्ञानिक तथाऔद्योगिकअनुसंधानपरिषद/**Council of Scientific & Industrial Research**)

महात्मागांधी एवेन्यू, दुर्गापुर-713 209,पश्चिम बंगाल, भारतवर्ष/Mahatma Gandhi Avenue, Durgapur - 713 209, West Bengal, India

Tel :9434921395

No.: 01/2025- PRct.   **Date: 09.01.2025**

विज्ञापनसंख्या/*Advertisement No. PME/PRCT/01/2025*

प्रोजेक्ट साइंटिस्ट / प्रोजेक्ट-एसआरएफ / जेआरएफ / प्रिंसिपल प्रोजेक्ट एसोसिएट / सीनियर प्रोजेक्ट एसोसिएट / प्रोजेक्ट एसोसिएट्स / जूनियर प्रोजेक्ट फेलो / प्रोजेक्ट असिस्टेंटपद के लिए सीधासाक्षात्कार/WALK-IN-INTERVIEW FOR THE POSITION OF PROJECT-JRF/ SRF/ PROJECT ASSOCIATES / PROJECT SCIENTIST /PROJECT ASSISTANT

वर्ष 1958 में स्थापितसीएसआईआर-केंद्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान,वैज्ञानिकतथा औद्योगिक अनुसंधान परिषद, सीएसआईआर, जो भारत सरकार के विज्ञान और प्रौद्योगिकी मंत्रालयके तहत एक स्वायत्त निकाय है,के तत्वावधान में मैकेनिकल इंजीनियरिंग और संबंधित विषयों के लिए भारत का सर्वोच्च अनुसंधान तथाविकास संस्थान है।वर्तमान मेंसंस्थानद्वारा अनुसंधान में प्राथमिकता वाले क्षेत्र हैं उन्नत डिजाइन और विश्लेषण,रोबोटिक्स और मेक्काट्रोनिक्स, उन्नत विनिर्माण और मेट्रोलॉजी, इलेक्ट्रॉनिक्स और एंबेडेड सिस्टम, ड्राइव एंड कंट्रोल; नियर नेटशैपमैन्फेक्चुरिंग, माइक्रोसिस्टम्स टेक्नोलॉजी; परिशुद्धता फार्म मशीनरी; उन्नत कार्यात्मक सामग्री, ट्राइबोलॉजी; उत्पाद और प्रक्रिया डिजाइन, अक्षय ऊर्जा प्रौद्योगिकीइत्यादि।

CSIR-Central Mechanical Engineering Research Institute, established in 1958, is the apex R&D Institute for mechanical engineering and allied disciplines under the aegis of the Council of Scientific and Industrial Research (CSIR), which is an Autonomous Body under Ministry of Science & Technology, Government of India. The present priority areas of research of the institute include **Intelligent Autonomous Systems and Robotics, Sustainable & Digital Manufacturing, Smart Farm Machines & Technologies, Electric Mobility & Clean Energy, Airborne Systems & Technologies, Industrial Services & Research, and Skill Development.**

सीएसआईआर-सीएमईआरआई, दुर्गापुर मेंदिनांक **23-24, जनवरी 2025** के दौरानविभिन्न परियोजनाओं के तहत परियोजना कर्मचारियों के विभिन्न पदों परविभिन्न परियोजनाओं में आबन्ध हेतु उम्मीदवारों का चयन करने के लिएएकप्रवेश साक्षात्कार / वॉक-इन-इंटरव्यूका आयोजनकिया जाएगा। चयनित उम्मीदवारों को उन्नत प्रयोगशालाओं में विभिन्न अनुसंधान एवं विकास परियोजनाओं के तहत काम करने तथा प्रशिक्षण का अवसर मिलेगा।रिक्तियों की संख्या विभिन्न विषयों या परियोजनाओं में भी किसी भी तरह से भिन्न हो सकती है।

A Walk-in-interview will be conducted at CSIR-CMERI, Durgapur during **23 - 24, January, 2025** to select candidates for engagement as various positions of project personnel under various projects. The selected candidates will have opportunity of hands-on training/exposure of working under different R&D projects at state of the art Laboratories. The vacancy position may vary either way even across the disciplines or projects.

Sl. No.	Post Code	Project Number	Position	Number of Position	Qualification & Experience	Tenure	Upper Age Limit	Consolidated Remuneration per month (Rs.)
1	P-2501	GAP 234412	Project Junior Research Fellow	1	B.E./ B.Tech./ M.E./ M.Tech. in Electrical Eng./ Electronics/ Instrumentation/ Communication Eng./ Computer Science Applications OR M.Sc. in Physics/ Radio Physics with Electronics specialization or equivalent from a recognized university and 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 examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc. **Desirable:** Experience in National Instrument (NI) LabView Programming will be preferred. Others include basic knowledge of Controller Area Network (CAN), basic knowledge in motor drives and control (DC, BLDC, Stepper etc.), handling various sensors, Networking, basic knowledge of instrumentation, and measurement techniques, data acquisition; knowledge of C/C++, and Python.	Upto 23-03-2025	28 Years	Rs. 37,000/-

#	Post No.	GAP No.	Post Name	No.	Essential Qualification	Tenure	Age	Emoluments
2	P-2502*	GAP 235112	Project Junior Research Fellow	1	B.E./ B.Tech./ M.E./ M.Tech. in Mechanical Engineering from a recognized university and 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 examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.	Upto 23-03-2025	28 Years	Rs. 37,000/-
3	P-2503*	GAP 238712	Project Junior Research Fellow	1	B.E./ B.Tech./ M.E./ M.Tech. in Mechanical Engineering from a recognized university and 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 examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.	Upto 23-03-2025	28 Years	Rs. 37,000/-
4	P-2504	GAP 240412	Project Associate-I	1	B.E./B.Tech. in Computer Science and Engineering / Electronics and Communication Engineering / Electrical Engineering / Mechatronics / Information Technology or equivalent from a recognized university. **Desirable:** Programming knowledge in C/C++/Python, Analog and Digital Communication, Control System Design, Power System Design	6 months	35 Years	i. Rs. 31,000/- for those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT / DST or equivalent and/or their Agencies/Institutions. ii. Rs. 25,000/- for others who do not fall under (i) above.
5	P-2505*	GAP 242112	Project Junior Research Fellow OR Project Associate-I	02	**For JRF:** B.E./ B.Tech./ M.E./ M.Tech. in Electronics and relevant disciplines/ Applied Electronics and relevant disciplines/ Mechatronics / Electrical / Computer Science and Engineering / I.T. or equivalent from a recognized university OR M.Sc in Applied Physics/Physics(Electronics)/ Radio Physics(Electronics) / Post Graduate Degree in professional course (Data Science/Data Engineering/ Data Mining) from a recognized university and 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 examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc. **Desirable:** Background in embedded systems, sensor interfacing, circuit design, Arduino, microcontroller programming, ML, Python, NodeRed, Flask, API, pgAdmin, IoT, embedded systems.	06 months (extendable)	28 Years	Rs. 37,000/-
					OR			
					For PAT-I : B.E./B. Tech. in Electronics and relevant disciplines/ Applied Electronics and relevant disciplines Computer Science and Engineering / I.T. / Mechatronics / Electrical or equivalent from a recognized university OR M.Sc in Applied Physics / Physics (Electronics) or equivalent from a recognized university **Desirable:** Background in embedded systems, sensor interfacing, circuit design, Arduino, microcontroller programming, ML, Python, NodeRed, Flask, API, pgAdmin, IoT, embedded systems.	06 months (extendable)	35 Years	i. Rs. 31,000/- for those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT / DST or equivalent and/or their Agencies/Institutions. ii. Rs. 25,000/- for others who do not fall under (i) above.

#	Post No	Code	Position	No.	Essential Qualification	Duration	Age	Emoluments
6	P-2506	GAP 243512	Project Associate- I	1	M.Sc. in Chemistry / Physics from a recognized university.	Upto 07-01-2026	35 Years	i. **Rs. 31,000/- for those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT / DST or equivalent and/or their Agencies/Institutions.** ii. **Rs. 25,000/- for others who do not fall under (i) above.**
7	P-2507	GAP 244812	Project Associate- I	1	**B.E./ B. Tech. in Mechanical Engineering/ Manufacturing Engineering/ Production Engineering/ Manufacturing Technology/ Production Technology/ Industrial Engineering or equivalent from a recognized university.** **Desirable:** Knowledge of Additive Manufacturing, Robotics, Computational Fluid Dynamics and CNC Programming	Upto 13-05-2026	35 Years	i. **Rs. 31,000/- for those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT / DST or equivalent and/or their Agencies/Institutions.** ii. **Rs. 25,000/- for others who do not fall under (i) above.**
8	P-2508*	GAP 245512	Project Senior Research Fellow	1	**B.E. / B.Tech. / M.E. / M.Tech in Computer Science/ Electronics/ Instrumentation/ Electronics and Communication/ Electronics and Instrumentation / Electronics and Electrical/ Electrical/ Information Technology/ Mechatronics/ Biomedical Eng. from a recognized university OR M.Sc. in Physics (Electronics)/ Radio Physics(Electronics)/ Computer Application/ Data Engineering/ M.Sc. or Masters in Sports Biomechanics/ Sports science from a recognized university with 02 years of research experience and 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 examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc. **Desirable:** Knowledge in Machine Learning/ Deep Learning, Data engineering, Signal Processing, Programming in one of Python/C++/ Octave/Matlab, Knowledge of Embedded Systems, Hands-on-experience in hardware integration, sensor characterization, Biomedical instrumentation, Biomechanics of hand, hand physiotherapeutic process, Hand rehabilitation process	01 Year (Extendable)	32 Years	**Rs. 42,000/-**
9	P-2509	HCP 54/01	Project Associate -I	1	**B.E./B. Tech. in Mechanical/Production/Aerospace/Power/Energy Engineering or equivalent from a recognized University.** **Desirable:** Knowledge about various designing and analysis software like Auto CAD, SOLIDWORKS / MATLAB etc. Preference will be given to candidates with knowledge in Fluid Flow, Thermodynamics and Heat & Mass Transfer.	Upto 31-03-2026	35 Years	i. **Rs. 31,000/- for those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT / DST or equivalent and/or their Agencies/Institutions.** ii. **Rs. 25,000/- for others who do not fall under (i) above.**

10	P-2510	MMP 015202/1/4	Project Associate -I	1	B.E./ B.Tech. in CSE/ IT/Electrical/ Electrical & Electronics/ Electronics & Instrumentation or equivalent from a recognized university.	Upto 31-03-2027	35 Years	Rs. 25,000/-
11	P-2511	MMP 015202/1/5	Project Associate -I	1	B.E. / B.Tech. in Electronics/ Electronics and Instrumentation/ Electronics and Communication/ Electronics and Electrical/ Electrical/ Mechatronics/ or equivalent from a recognized university **OR** **M.Sc. in Physics (Electronics) / Radio Physics (Electronics) from a recognized University.** **Desirable:** Knowledge in Power Electronics and Control System; Analog & Digital circuit design; Microcontroller/ Embedded board programming; PCB design and circuit analysis software; Knowledge of ROS, C/C++, Python, Matlab programming	01 Year (Extendable)	35 Years	i. **Rs. 31,000/- for those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT / DST or equivalent and/or their Agencies /Institutions.** ii. **Rs. 25,000/- for others who do not fall under (i) above.**
12	P-2512	MMP 015202/1/5	Project Scientist -I	1	Masters / Integrated Masters in Robotics/ Robotics and Automation/ Mechatronics / Mechanical / Electronics / Electrical/ Electronics and Communication/ Electronics and Electrical/ Computer Science/ Intelligent Systems/ Control Systems/ Design/ Machine Design/ Mechanical Design/ Mechanics and Design or equivalent from a recognized University or equivalent **And** 4 years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services. **Desirable:** Experience/Knowledge in Robotics, Robot path/Motion planning, Robot mechanics and design, Robot dynamics and algorithms, Control Systems/ Robot Control, Robot programming, ROS, Matlab/ Octave;Hardware system integration; Hand-on experience on any robotic platform/ device.	01 Year (Extendable)	35 Years	Rs. 56,000 /- with Increment of 5% for every 2 years of experience in the same project.
13	P-2513	MMP 015202/2/5	Project Associate-II	1	(i) B.E. / B. Tech. in Electrical Engineering / Electrical & Electronics Engineering/ Electronics Engineering/ Electronics & Communication Engineering/ Instrumentation Engineering/ Electronics & Instrumentation Engineering or equivalent from a recognized university **And** 02 years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services. **Or** (ii) M.E./ M. Tech. in Electrical Engineering / Electrical &Electronics Engineering / Electronics Engineering / Power Electronics / Power Electronics & Drives / Electronics& Communication Engineering / Electronics & Instrumentation Engineering or equivalent from a recognized University. **Desirables:** Knowledge of Power Electronic design, development and testing, motor control, MATLAB/ SIMULINK simulation, embedded programming using model-based design, microcontroller programming etc.	Upto 30-09-2025 (Extendable)	35 Years	Rs. 28,000/-

| 14 | P-2514 | MMP 015202/3/1 | Project Scientist -I | 1 | Master's / Integrated Masters Degree in Engineering or Technology (M.E./ M.Tech./ MS) in Electrical, (Applied) Electronics and Instrumentation Engineering, Electrical and Electronics, Electronics, Power electronics, Control Systems, Mechatronics/ Robotics or equivalent from a recognized university

And

4 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services.

Desirable: Precision motor control (DC/ BLDC etc.) and motor driver/ handling miniature motors/ non-conventional actuation (piezoelectric/pneumatic/ultrasonic)/ power electronics/ voltage/current amplifier design. | 01 Year (Extendable) | 35 Years | Rs. 56,000/- with Increment of 5% for every 2 years of experience in same project |
| 15 | P-2515 | TSP 1474 | Project Assistant-II | 1 | 03 years Diploma in Mechanical Engineering/ Technology from a recognized university. | 06 months (Extendable) | 35 Years | Rs. 20,000/- with Increment of 15% after 3 years of experience in the same project |

*Offer of engagement will be issued subject to receipt of the fund in respective project from the funding agency.

वास्तविक पदों की संख्या साक्षात्कार की तारीख को भिन्न हो सकती है। ऊपर उल्लिखित कार्यकालको घटाया या बढ़ाया जा सकता है। किसी भी मामले मेंकार्यकाल परियोजना की अवधि के साथ सह-टर्मिनस या परियोजनामें आवश्यकता की अवधि तक जो भी पहले हो, होगा।

Actual number of positions may vary on the date of the Walk-In-Interview. Tenure mentioned above may be extended or curtailed. In any case, it is co-terminus with the project or till such time this requirement exists whichever is earlier.

जिन उम्मीदवारों ने पहले हीसीएसआईआर-सीएमईआरआईया किसी अन्यसीएसआईआर लैब में **छहवर्ष** या अधिक की अवधि के लिए ट्रेनी/प्रोजेक्ट असिस्टेंट/प्रोजेक्ट फेलो/जेआरएफ/एसआरएफ/प्रोजेक्ट एसोसिएट/रिसर्च एसोसिएट,इत्यादि के रूप में काम किया है,**वे उपरोक्त आबन्ध के लिए पात्र नहीं हैं।** जिन उम्मीदवारों ने चयन के बाद **छहवर्ष** से कम की अवधि के लिए योगदान दिया है, उनका कार्यकाल **छहवर्ष**पूरा होने परस्वतः समाप्त हो जाएगा। चयनित उम्मीदवारसंबंधित परियोजना के उपर्युक्त अवधि के लिए आबंधित होंगे, जिसेपरियोजना की समाप्ति या अधिकतम **छहवर्ष**के लिए जो भी पहले हो, तक घटाया या बढ़ाया जा सकता है।

The candidates who have already engaged in CSIR-CMERI or any other Lab./Instt. of CSIR as a Trainee / Project Assistant / Project Fellow / JRF / SRF /Project Associate/ Research Associate etc. for a period of 6 years or more **are not eligible for the above engagements**. The candidates who have engaged for a period less than 6 years, upon selection, their tenure will automatically end on completion of six years. Selected Candidate(s) will be engaged for above mentioned period of the respective project, which may also be curtailed or extended upto completion of project period or maximum six years, whichever is earlier as per requirement in the project.

ऊपरी आयु सीमा, योग्यता या अनुभव आदि का निर्धारण करने की तारीख संबंधित पद कोड के साक्षात्कार की तारीख होगी। अनुसूचितजाति/अनुसूचित जनजाति/अन्य पिछड़ा वर्ग और महिला उम्मीदवारों की आयु सीमा में छूट सरकार/सीएसआईआर के नियमों के अनुसार प्रदान की जाएगी।

The date for determining the upper age limit, qualification and/or experience etc. will be the date of interview of the respective Post Code. Relaxation in age limit of the candidates belonging to SC/ST/OBC and Women shall be provided as per the Government of India/CSIR rules.

योग्यता प्राप्तइच्छुक उम्मीदवारों को अपने सभी मूल प्रमाणपत्रों के साथ चयन समिति के समक्ष उपस्थित होना है। उम्मीदवारप्रत्येक मूल प्रमाणपत्रों की स्व-अभिप्रमाणित छायाप्रतिऔरपासपोर्ट आकार की फोटोएवं मार्कशीट के साथतथासंस्थान की वेबसाइट पर उपलब्ध आवेदन फॉर्म को अच्छी तरह से पढ़कर और भरकर निर्धारित तिथि,स्थान व समय पर भाग ले सकते हैं। किसी भी प्रकार का यात्रा भत्ता भुगतान देय नहीं होगा। साक्षात्कार के दौरान हिंदी/अंग्रेजीभाषा का प्रयोग सम्प्रेषण के माध्यम के रूप में किया जा सकता है।चयन प्रक्रिया देर शाम / अगले दिन तक जारी रह सकता है, अतः उम्मीदवारों को तदनुसार तैयार होकर आने की सलाह दी जाती है।

The interested candidates may appear before the Selection Committee with **all their original certificates, mark sheets with a self-attested photo copy of each and a recent passport size photograph along with the filled-in Application Form** available in the Institute website, as per the date and time given below. No TA/DA will be paid for attending the Walk-In-Interview. Hindi/English Language can be opted as a medium of communication during Walk-In-Interview. **The Selection process may continue till late evening/next day; Candidates are advised to come prepared accordingly.**

यदि साक्षात्कार प्रक्रिया के दौरानया उसके बाद यह पाया जाता है कि उम्मीदवारपात्रता के सभी मानदंडो को पूरा नहीं करते हैं, तो उनकी उम्मीदवारी को बिना किसी कारण बताए रद्द कर दी जाएगी। इसके अलावा, चयन प्रक्रिया के संबंध में सी एस आई आर-सी एम ई आर आई का निर्णय अंतिम और सभी संबंधितों के लिए बाध्यकारी होगा। संस्थान द्वारा इस संबंध में कोई पत्राचार स्वीकार नहीं किया जाएगा।

If it is found at any stage of the process or thereafter that the candidates do not fulfill the eligibility criteria, their candidature shall be cancelled without assigning any reason whatsoever. Further, the decision of CSIR-CMERI in regard to the selection process will be final and binding to all concerned. No correspondence in this regard will be entertained by the Institute.

चयनित उम्मीदवारों को अनुबंध की पेशकश,राशि की उपलब्धता और सक्षम प्राधिकारी की स्वीकृति के आधार पर जारी की जाएगी। विज्ञापन में उल्लिखित कार्यकाल अस्थायी है जिसे सक्षम प्राधिकारी के निर्णय के अनुसार घटाया या बढ़ाया जा सकता है।

Offer of engagement to the selected candidates will be issued subject to availability of fund and approval of the Competent Authority. Tenure as mentioned in the advertisement is tentative and liable to be curtailed/extended as per decision of the Competent Authority.

Candidates who are presently engaged in any Project either in CSIR-CMERI or any other Labs/Institute of CSIR, should produce the NOC for appearing for the Walk-In-Interview from Competent Authority, failing which, they will not be allowed to appear in the interview.

हिन्दी और अंग्रेजी संस्करण में किसी भी संदेह / विसंगति के मामले में इसके अंग्रेजी संस्करणको अंतिम माना जाएगा । In case of any doubt / discrepancy of the Advertisement between Hindi and English version, the English version of the same will be treated as final.

Schedule of Walk-in-Interview

Sl. No.	Post Code No.	Date of Walk-in-Interview	Reporting Time	Venue
I	P-2501, P-2504, P-2505, P-2508, P-2510, P-2511, P-2513	23.01.2025 (Thursday)	09.30 A.M. to 11:30 A.M.	CSIR – Central Mechanical Engineering Research Institute, Mahatma Gandhi Avenue, Durgapur-713209, West Bengal.
II	P-2502, P-2503, P-2507, P-2509			
III	P-2506	24.01.2025 (Friday)		
IV	P-2512, P-2514			
V	P-2515			

प्रशासनिकअधिकारी/
Administrative Officer