



ABIVIC-INT/2025/02 dt. 20 Dec 25

**ARMED FORCES MEDICAL COLLEGE, PUNE**

**ABIVIC: AFMC-ICMR CENTER FOR ADVANCED RESEARCH (CAR)**

1. Recruitment for Temporary Position at: **ABIVIC: AFMC-ICMR Center for Advanced Research (CAR), Armed Forces Medical College, Solapur Road, Pune-411 040.**
2. **Project Title:** Armed Forces Biomedical Innovations, Validation and Integration Centre (ABIVIC).
3. **Overview:** This ICMR-sponsored project, under the Centre for Advanced Research (MDMS Programme) scheme, focuses on biomedical innovation, validation and integration in the MedTech sector. Through ABIVIC, ICMR-earmarked technologies from academia, start-ups, industry and the Armed Forces will undergo clinical validation to assess their accuracy, performance and feasibility against standard practices in real-world settings. The multidisciplinary team comprising clinicians, statisticians, researchers, lab technicians, regulatory and IPR experts will work collaboratively to advance medical device validation. Given the specialised nature of the project, prior experience in related fields will be a key criterion for selection.
4. **Project Investigator:** Surg Cdr (Dr) Arnab Ghosh, Research Pool Officer, Dept of Medical Research, AFMC Pune.
5. **Total Project Duration:** 05 years (w.e.f.01 Sep 2025)
6. **Type of recruitment:** The posts are purely contractual and shall be renewed every year **or as deemed necessary by the PI.** Renewal is subject to **satisfactory performance** of the hired staff.
7. Applications are invited for the following temporary positions for ABIVIC in Armed Forces Medical College, Pune:

**Positions:**

S. No.	Name of the Position	No	Basic Salary	HRA%	Total	Duration	Remarks
7.1	Data Entry Operator (Statistics/ Biostatistics)	01	₹29,200 consolidated	-	₹29,200	From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance	Details in Annexure-1
7.2	Project Technical Support-III (Accounts & Audits)	01	₹28,000	30%	₹36,400	From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance	Details in Annexure-2
7.3	Project Technical Support-III (Logistics & Store)	01	₹28,000	30%	₹36,400	From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance	Details in Annexure-3
7.4	Project Technical Support-III (Electronics/ Instrumentation/ IoT)	01	₹28,000	30%	₹36,400	From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance	Details in Annexure-4
7.5	Project Research Scientist- III (Medical)	01	₹93,000	30%	₹1,20,900	From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance	Details in Annexure-5
7.6	Project Research Scientist-II (Non-Medical)	01	₹67,000	30%	₹87,100	From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance	Details in Annexure-6

## Application and Selection Procedure

8. The steps are as follows:

8.1 Candidates should submit the application along with complete biodata in the attached format through registered post to “**Officer-in-Charge/ Principal Worker, Center for Advanced Research (CAR), Dept of Medical Research, Armed Forces Medical College, Solapur Road, Pune- 411040**, superscripted with Application for **Centers for Advanced Research (CAR), Contractual Post of (Name of the Position applied for) on or before 10 January 2026, 1400 hrs**. Any application received after due date and time will not be considered for selection.

8.2 The Application received will be scrutinized by the selection committee

8.3 The list of eligible candidates will be displayed on the College website. The candidates are advised to check the College website [www.afmc.nic.in](http://www.afmc.nic.in) for the date, time and venue of written test (if required) and interview.

8.4 Eligible candidates will be notified by email and/or SMS. Candidates should mention valid email id and mobile number and must check inbox as well as spam folder regularly for any communication from ABIVIC.

8.5 The final selection is based on interview. Only eligible candidates will be called for interview. Interview date will be announced by email and/or SMS. No TA/DA is admissible to attend the same.

8.6 Tentative programme

Ser	Particulars	Tentative Dates
8.6.1	Last date of application	10 January 2026
8.6.2	Tentative date for interview	23 January 2026
8.6.3	Tentative date of joining	02 February 2026

9. The candidates are advised to check the College website [www.afmc.nic.in](http://www.afmc.nic.in) for the date, time and venue of written test (if required)/ practical demonstration and interview.

10. Eligible candidates will be notified by email and/or SMS. Candidates should mention valid email ID and mobile number and must check inbox as well as spam folder regularly for any communication from ABIVIC.

11. The final selection of a candidate will be based on interview and/ or written test/ practical demonstration of skills. Only eligible candidates will be called for interview. Interview date will be announced by email and/or SMS. **No TA/DA** is admissible to attend the same. **The candidate is required to read the job requirements carefully before coming for the interview.**

## 12. Terms & Conditions

- 12.1 Appointment is purely temporary and co-terminus with the project.
- 12.2 Extension will be based on performance evaluation and project funding.
- 12.3 Selected candidate will be subject to verification of eligibility (qualification, age, experience and if required practical demonstration of skills).
- 12.4 No claim for regular appointment in ICMR or the host institute will be entertained.
- 12.5 Shortlisted/Eligible candidates will be called for interview along with 05 copies of their: Bio-data and 05 passport-size photographs.
- 12.6 Dates of interview for various positions will be notified to the eligible candidates by email and SMS.
- 12.7 Number of positions may vary. These positions are meant for temporary period and co-terminus with the project. Based on project requirements, a position may be amended.
- 12.8 All the degrees, certificates and experiences should be from recognised institutions (preferably Govt).
- 12.9 Candidates having prior experience in working in an ICMR extramural project, defence services in the respective domain and appropriate skills and hands-on experience will be desirable. *Age calculation for ex-servicemen will be as per Gol norms.*
- 12.10 Engagement of the above advertised Project ABIVIC will depend upon availability of funds, functional requirements and approval of the Competent Authority. Therefore, we are not committed to fill up all the advertised Project Human Resource Positions and the process is liable to be withdrawn / cancelled / modified at any time.
- 12.11 The rates of emoluments/stipend shown in this advertisement are project specific and may vary according to sanction of the funding agency of the Project.
- 12.12 Cut-off date for age limit will be as on 31 Jan 2026.
- 12.13 Age relaxation will be as per the guidelines of ICMR/Gol norms.

## **GENERAL INFORMATION / INSTRUCTIONS**

The posts are purely temporary and co-terminus with the project. The appointments are terminable with **one month's notice** from either side. The selected candidates will have **no claim** for regular appointment under the Govt. of India or under the DHR/ICMR or continuation of his/her services in any other project or under state Govt. or under Armed Forces Medical College, Pune. Benefits of the Provident Fund, CCA, Leave Travel Concession, etc., and medical claims are not admissible. No TA/DA will be paid for attending the interview, joining, or terminating the services. Age upper limit will be calculated as on 31 Jan 2026. Candidates possessing hands-on, practical and field experience will be preferred.

### **TERMS & CONDITIONS:**

1. The candidate who is in service shall submit a "*No Objection Certificate*" from the present employer at the time of the interview.
2. Canvassing of any kind will lead to disqualification.
3. The prescribed qualification is the minimum and mere possession of the same does not entitle any candidate for selection.
4. The appointment is full-time and private practice of any type is strictly prohibited.
5. He or she is expected to conform to the rules of conduct and discipline as applicable to the institute employees.
6. The candidate should not have been convicted by any court of law.
7. In case any information given, or declaration made by the candidate is found to be false or if the candidate has willfully suppressed any material information relevant to this appointment, he or she will be liable to be removed from the service and action will be taken as deemed fit by the appointing authority.
8. The decision of the competent authority regarding the selection of candidates will be final and no representation will be entertained in this regard.
9. Applications that are incomplete in any aspect will be summarily rejected.
10. The Competent Authority reserves the right to make any amendment, cancellation, or change to this advertisement as a whole or in part without assigning any reason or giving notice.
11. Applicants are requested to visit the website [www.afmc.nic.in](http://www.afmc.nic.in)
12. All disputes will be subject to jurisdictions of Court of Law at Pune (Maharashtra).

To,  
Principal Investigator,  
ABIVIC (AFMC-ICMR CAR)  
Armed Forces Medical College, Solapur Road  
Pune – 411 040 (Maharashtra)

Affix recent, passport  
size, colour  
photograph of self

**Sub: Application for the Post of \_\_\_\_\_ on Contractual  
Basis for ABIVIC (AFMC-ICMR CAR) Armed Forces Medical College, Pune**

Sir,

In response to your advertisement, Notice No: \_\_\_\_\_ Dated \_\_\_\_\_ for the  
Post of \_\_\_\_\_ on Contractual Basis for ABIVIC (AFMC-ICMR Centre for  
Advanced Research), Armed Forces Medical College, Pune.

**My Bio – Data is given below:**

<b>Name of the Candidate (in block letters)</b>			
<b>Father's / Husband's Name</b>			
<b>Permanent Address</b>	<b>House No/ Plot No/ Flat No:</b>		
<b>Road/ Street Name/ Village</b>			
<b>Municipality/ City/ Town</b>			
<b>Post Office</b>		<b>Police station</b>	
<b>Dist.</b>		<b>Pin Code</b>	
<b>Mobile No.</b>		<b>Alternate Contact No.</b>	
<b>Email Id</b>			

Date of Birth		Age as on <b>31 Jan 2026</b> , age proof as per Gol issued document is to be attached)	
Religion		Sex: (Male/ Female)	
Nationality		Category	General / OBC/ SC / ST
Photo identity Proof (give one attested and 04 unattested latest colored passport photos)			

**Experience Detail:** (Attach certificates, completion report, letter of recommendation etc as applicable)

Name of Institute/ Organization	Duration From	Duration To	Position Held	Total experience in years

**Details of Publication (Vancouver style): Attach Copies of the published Research Work, attach Separate sheet if required**

S. No.	Details of Publication (Vancouver Style):	Indexed/ Non – Indexed	Impact Factor

## **DECLARATION**

I affirm that the information in this application is true and correct to the best of my knowledge and belief. I further undertake that if at any stage it is discovered that an attempt has been made by me, willfully to conceal or misrepresent the facts, my candidature/appointment shall be summarily rejected or terminated without any notice.

Place :

Date :

Signature of Candidate

### **List of Enclosures (Attested Copies):**

Identity proof: Aadhaar Card

Age Proof: Class X<sup>th</sup> Certificate

5 Passport size photos

Marksheets & Degree certificate of all qualifying examinations

Address Proof: Local/ permanent (Govt-issued ID or Registered Rent Agreement)

Experience Certificates/ Letter or Completion from reputed Govt Institute

Caste certificate (where applicable)

## ANNEXURE-1

### DATA ENTRY OPERATOR: STATISTICS/ BIostatISTICS

1. **Number of Posts:** 01
2. **Duration:** From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance.
3. **Age Limit:** 35 years (as on 31 Jan 2026). Age concession for Ex-servicemen or other eligible conditions will be calculated as per Gol norms.
4. **Emoluments:** ₹29,200/- consolidated (without additional allowances).
5. **Essential Qualification:** Statistics/ Biostatistics Graduate with experience in Research and publications.
6. **Desirable Qualification:**
  - 6.1 Prior experience in clinical research involving medical devices, especially data handling for validation or regulatory studies.
  - 6.2 Proficiency in statistical software and data tools (e.g., R, Python, STATA, SPSS, REDCap) and advanced Excel skills for data management.
  - 6.3 Demonstrated knowledge of Good Clinical Practice (GCP), ethical guidelines and basic regulatory requirements for clinical investigations.
  - 6.4 Strong documentation, quality-control and communication skills, with the ability to work with multidisciplinary clinical and engineering teams.
7. **Job Responsibilities:**
  - 7.1 Field work at study site as well as in record section.
  - 7.2 Assist senior bio-statistician.
  - 7.3 Collect and enter, clean and validate clinical study data from source (ward, ICU, OPD, site visits or from documents) into electronic databases or spreadsheets, maintaining high accuracy and audit trails.

7.4 Assist in designing case report forms, data dictionaries and data-flow processes tailored to clinical validation of medical devices.

7.5 Generate regular data quality reports, identify missing or inconsistent data, coordinate query resolution with site investigators and maintain updated datasets for analysis.

7.6 Support basic statistical summaries, descriptive analyses, and preparation of tables/figures for interim reviews, study reports and regulatory submissions under supervision of the statistician.

7.7 Maintain organized documentation (SOPs, logs, codebooks, backup files) and coordinate with clinical and technical teams during monitoring visits, audits and project meetings.

## ANNEXURE-2

### PROJECT TECHNICAL SUPPORT–III (Accounts & Audits)

1. **Number of Posts: 01**

2. **Duration:** From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance.

3. **Age Limit:** 35 years (as on 31 Jan 2026). Age concession for Ex-servicemen or other eligible conditions will be calculated as per GoI norms.

4. **Emoluments:** ₹36,400/- per month including HRA (no other allowances are payable).

5. **Essential Qualification**

03 years Graduate Degree in Commerce / Accounting / Finance or BBA from a recognized institution **plus Post Graduate.**

**Or**

03 years Graduate Degree in Commerce / Accounting / Finance or BBA from a recognized institution **plus 03 years' experience in** Commerce / Accounting / Finance.

**Or**

Graduate Diploma holders in Commerce / Accounting / Finance/ BBA with minimum **05 years of experience** preferably in Govt institutions/ organisations in the specific field/ domain may also apply.

6. **Desirable Qualification**

6.1 Good command of English language (speaking, reading, and writing).

6.2 Proficient in MS Office Suite.

6.3 Hands on knowledge in Govt Procurement system, GeM, Tender, Non-GeM Govt procurement process (candidates having no experience in this may not apply).

6.4 Ability to handle Accounts, Audits and Procurement confidently.

- 6.5 **03 or more years'** experience in maintaining official accounts in Govt organisation and/ or government-funded projects (Military revenue funds/ Public funds/ Non-public funds, ICMR/DBT/DST Extramural funds).
- 6.6 Experience in preparing utilization certificates, bank reconciliation and ledgers.
- 6.7 Familiarity with computerized accounting packages (Tally/ERP).
- 6.8 Ex-servicemen (Military services) with eligibility as per GoI norms having in-depth knowledge and hands-on experience about procurement, GFR, MSP, DPM, DFPDS.
- 6.9 Prior experience in conducting financial audits.
- 6.10 Knowledge of GST, TDS, TAN, ITR filings and audit compliance.

## **7. Job Responsibilities**

- 7.1 Work as a team with 'PROJECT TECHNICAL SUPPORT–III (Logistics & Stores) and complement each other.
- 7.2 Maintain day-to-day project accounts, ledgers and financial statements.
- 7.3 Prepare and submit UC, SE and expenditure reports to ICMR and PI.
- 7.4 Handle statutory compliances (GST, TDS, TAN, ITR).
- 7.5 Record keeping related to expenses, payment of employees etc.
- 7.6 Maintain receipts, invoices, vouchers and bills for audit.
- 7.7 Coordinate with bank for project-related transactions.
- 7.8 Prepare budgets, forecasts and expenditure tracking reports.
- 7.9 Assist PI during internal and external audits.
- 7.10 Maintain confidentiality of project financial data.
- 7.11 Provide monthly, quarterly and annual financial summaries.
- 7.12 Carry out any other finance-related tasks assigned by PI.
- 7.13 In addition to above, general clerical duties.

## ANNEXURE-3

### PROJECT TECHNICAL SUPPORT–III

#### (LOGISTICS AND STORE)

1. **Number of Posts:** 01
2. **Duration:** From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance.
3. **Maximum Age Limit:** 35 years (as on 31 Jan 2026). Age concession for Ex-servicemen or other eligible conditions will be calculated as per Gol norms.
4. **Emoluments:** ₹36,400/- per month including HRA (no other allowances are payable)
5. **Essential Qualification**

03 years Graduate in Commerce / Accounting / Finance or BBA/ Law from a recognized institution **plus PG** in relevant fields (Logistics and Store maintenance field).

OR

03 years Graduate in Commerce / Accounting / Finance or BBA/ Law from a recognized institution **with 03 years** in relevant fields (Logistics and Store maintenance field).

OR

Diploma holders in the above subjects with minimum **10 years** of experience preferably in Govt institutions/ organisations in relevant fields (Logistics and Store maintenance field).

6. **Desirable Qualification**

- 6.1 Good command of English language (speaking, reading and writing).
- 6.2 Proficient in MS Office Suite.
- 6.3 Inventory management, ledger maintenance and hands on knowledge in the respective field.
- 6.4 Prior experience in managing ICMR/DST/DBT Govt-funded projects.
- 6.5 Experience in logistics, bookkeeping, medical/ dental store management etc.

- 6.6 Ability to assist in Accounts, Audits and Procurement confidently.
- 6.7 Experience in fund management and reporting.
- 6.8 Knowledge of GeM procurement system, GFR rules and e-procurement portals.
- 6.9 Familiarity with equipment audits, financial audits, AMC/ CMC of equipment.
- 6.10 Experience in preparing utilization certificates, bank reconciliation and ledgers.
- 6.11 Familiarity with computerized accounting packages (Tally/ERP).

## **7. Job Responsibilities**

- 7.1 Work as a team with 'PROJECT TECHNICAL SUPPORT–III (Accounts & Audits)' and complement each other.
- 7.2 Maintain purchase registers, stock records and vendor databases.
- 7.3 AMC/ CMC.
- 7.4 Monitor fund allocation and expenditure utilization.
- 7.5 Manage procurement of consumables, equipment and services via GeM and approved channels.
- 7.6 Prepare procurement reports for monthly/ quarterly reviews.
- 7.7 Draft and vet legal documents, agreements and MoUs.
- 7.8 Ensure compliance with GFR, ICMR and institutional guidelines.
- 7.9 Coordinate with finance/accounts and audit teams for fund settlements.
- 7.10 Track pending procurements and follow up with suppliers/vendors.
- 7.11 Provide legal and regulatory support to PI and team.
- 7.12 Support PI in ensuring transparency and accountability in equipment use.
- 7.13 In addition to above, general clerical duties.

## ANNEXURE-4

### PROJECT TECHNICAL SUPPORT-III

#### (ELECTRONICS/ INSTRUMENTATION)

1. **Number of Posts:** 01
2. **Duration:** From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance.
3. **Maximum Age Limit:** 35 years (as on 31 Jan 2026). Age concession for Ex-servicemen or other eligible conditions will be calculated as per Gol norms.
4. **Emoluments:** ₹36,400/- per month including HRA (no other allowances are payable)
5. **Essential Qualification**

The following may apply. However, weightage will be as per following descending order:

5.1 04 years B.E./B.Tech in Electronics / Electrical / Instrumentation and min 03 years' experience preferably in dry lab field (IoT/IoMT/Electromedical Devices/ PCB design-manufacturing).

OR

03 years Graduate degree in Electronics / Electrical / Physics/ Instrumentation **plus PG degree** in the respective field and min 02 years of experience (IoT/IoMT/Electromedical Devices/ PCB design-manufacturing).

OR

03 years Graduate degree in Electronics / Electrical / Physics/ Instrumentation plus 04 years' experience (IoT/IoMT/Electromedical Devices/ PCB design-manufacturing).

OR

PG diploma in Electronics / Electrical / Physics/ Instrumentation and 05 years' experience (IoT/IoMT/Electromedical Devices/ PCB design-manufacturing).

OR

Polytechnic diploma in Electronics / Electrical / Instrumentation and 10 years of experience (IoT/IoMT/Electromedical Devices/ PCB design-manufacturing).

## **6. Desirable Qualification**

- 6.1 Hands-on experience in schematic design, PCB layout and fabrication workflows.
- 6.2 Experience with embedded systems, IoT devices, microcontrollers (ESP32, STM32, ARM Cortex) and sensor interfacing.
- 6.3 Proficiency in testing, debugging and validation of electronic circuits and systems.
- 6.4 Knowledge of medical device prototyping, regulatory standards (ISO 13485 preferred) and clinical device validation.
- 6.5 Familiarity with CAD/CAM integration for hardware design and 3D printing for enclosures.
- 6.6 Strong knowledge of PCB design tools (KiCAD, Altium, Eagle, EasyEDA, etc.) and embedded programming (C/C++, Python, Arduino/ESP/ARM platforms)/soldering/embedded systems/ IoT/ Instrumentations.
- 6.7 Good Command of English (speaking, reading and writing).

## **7. Job Responsibilities**

- 7.1 Design, develop and test PCBs for biomedical and IoT-based devices.
- 7.2 Develop embedded software/firmware for microcontroller-based systems.
- 7.3 Interface sensors, actuators and communication modules (WiFi, Bluetooth, LoRa, etc.) for project prototypes.
- 7.4 Collaborate with clinical, biomedical and software teams to translate functional requirements into hardware solutions.
- 7.5 Maintain documentation of designs, schematics, firmware codes and technical files.
- 7.6 Conduct testing, validation and troubleshooting of developed prototypes.
- 7.7 Assist PI in preparing technical reports, publications and regulatory compliance documents.

7.8 Provide training/support to project interns and research fellows on PCB design and embedded development.

7.9 Support procurement of electronic components, fabrication services and maintain stock/inventory for R&D activities.

7.10 Ensure quality standards, safety compliance and timely delivery of prototypes for validation and trials.

## ANNEXURE-5

### PROJECT RESEARCH SCIENTIST-III (MEDICAL)

1. **Number of Posts:** 01
2. **Duration:** From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance.
3. **Age Limit:** 45 years (as on last of accepting applications, i.e 31 Jan 26).
4. **Emoluments:** ₹1,20,900/- per month including HRA (no other allowances are payable)
5. **Essential Qualification:** MBBS / BDS with a Post Graduate Degree (MD / MDS/ MPH) in Clinical subjects/ Microbiology / Virology / Biochemistry / Genetics / Public Health or equivalent, with at least 3 years of post-qualification experience.

**OR**

MBBS / BDS with MPH / PhD with at least 3 years of post-qualification experience.

#### 6. **Desirable Qualifications**

- 6.1 Hands-on research experience gained from nationally or internationally reputed institutions. Experience in working with Govt agencies will be prioritised.
- 6.2 Experience working in a clinical trial/ Medical technology development/ Medical technology management team.
- 6.3 Proficiency in making study protocol, proforma, consent form and on-ground recruitment of patients etc.
- 6.4 At least 01 Publication in PubMed/ Scopus/ Web of Science/ DOAJ as first or corresponding author or 02 publication as (upto) 2<sup>nd</sup> author or 03 publications as (upto) 3<sup>rd</sup> author in relevant areas or 01 patent.

## **7. Key Job Responsibilities**

- 7.1 Conduct and oversee advanced research activities in ABIVIC. The position is expected to act as the Chief Executive Officer of the centre under the PI.
- 7.2 Ability to supervise General Administration, Clinical Trial, Scientific Work, Publications, Procurement, Accounts, Logistics and Reports/ returns.
- 7.3 Collaborate with interdisciplinary teams including clinicians, biologists and data scientists.
- 7.4 Document and publish findings in high-impact journals; contribute to scientific communications.
- 7.5 Develop and maintain SOPs for laboratory workflows ensuring biosafety and data integrity.
- 7.6 Participate in project reviews, report preparation and dissemination of research outcomes.
- 7.7 Train and supervise junior research staff and interns.
- 7.8 Engage with the PI and regulatory/ethics bodies to ensure compliant project conduct.
- 7.9 Organise events like workshops, seminars, symposia and fellowship/certificate courses etc.

## ANNEXURE-6

### PROJECT RESEARCH SCIENTIST-II (NON-MEDICAL)

1. **Number of Posts:** 01
2. **Duration:** From date of joining till 31 Aug 2026, renewable yearly on satisfactory performance.
3. **Age Limit:** Up to 40 years (as on last of accepting applications, i.e 31 Jan 2026).
4. **Emoluments:** ₹87,100 per month including HRA (no other allowances are payable).
5. **Minimum Essential Qualifications:** First Class Post Graduate Degree including the integrated postgrad degree in Science (Physics/Electronics/Mechanical or allied field) with 3 years' relevant experience (years of experience will be prioritised) OR PhD in the relevant subject.

**OR**

Second class Post Graduate Degree including the integrated postgrad degree with PhD and 03 years' experience.

**OR**

For Engineering / IT / CS candidates – First Class Graduate degree of 4 years (BE/BTech) with 3 years' experience (years of experience will be prioritised).

#### **6.Desirable Qualifications:**

6.1 Extensive hands-on expertise in electronics, instrumentation and electromechanical systems, with strong diagnostic and repair skills.

6.2 Proven experience in CNC machine operations, 3D printing (FDM, SLA), PCB milling, laser cutting and solar inverter systems.

6.3 Background in lab management – maintaining and training users on fabrication equipment, safety SOPs and calibration schedules.

6.4 Proficiency in CAD/CAM tools (SolidWorks, FreeCAD, Mastercam), PCB design (KiCAD, EasyEDA) and electronic testing instruments (CRO, frequency counters, multimeters).

6.5 Track record in installation, preventive maintenance and troubleshooting of laboratory and industrial equipment across mechanical, electrical and electronics domains.

6.6 Demonstrated ability to train engineers, students and project staff in equipment usage, troubleshooting and safety compliance.

6.7 Strong documentation skills – developed training manuals, maintenance records, technical reports and safety protocols.

6.8 Multilingual communicator (English, Hindi, Marathi,) enabling effective coordination with stakeholders.

6.9 10+ years of professional experience in testing, servicing and regulatory-compliant maintenance across industrial and academic environments.

6.10 Commitment to quality assurance and compliance, with prior exposure to structured audits, safety standards and preventive quality frameworks.

## **7. Job Responsibilities**

7.1 Operate, maintain and troubleshoot laboratory equipment and instruments under the project.

7.2 Provide training and technical support to students, fellows and project staff on equipment usage and safety practices.

7.3 Support the PI in setting up instrumentation, electronics systems and prototype development.

7.4 Maintain calibration logs, preventive maintenance records and ensure equipment readiness.

7.5 Assist in procurement, installation and commissioning of laboratory and field devices.

7.6 Prepare technical manuals, SOPs and reports required for compliance and audits.

7.7 Liaise with vendors, service providers and institutional facilities for upkeep of project infrastructure.

7.8 Support regulatory and quality management documentation for laboratory systems.

7.9 Contribute to prototype testing, validation and design modifications as per project requirements.

7.10 Undertake any other responsibilities assigned by the Principal Investigator to achieve project milestones.