

## **B. Facility Manager for Additive Manufacturing/ 3D Printing (Metal AM) at Common Engineering Facility Centre (CEFC) – 1 (Gen)**

**Educational Qualification :** A Doctoral degree in Engineering or Masters in Engineering with at least 6 years of experience OR Bachelors in Engineering with at least 8 years of experience, hands-on familiarity with routine as well as sophisticated techniques at an advanced level in relevant areas of Additive manufacturing and Industry 4.0.

**Preferred Skills:** Hands on experience in Metal Additive Manufacturing industry.

**Desirable.** Engineering background with Mechanical Engineering, Metallurgy Engineering, Material Science

### **Job Description :**

The Facility Manager-AM will have overall responsibility for the operation of the Metal AM facility and whose duties will include:

1. Ensuring that items of equipment and support infrastructure are maintained in good operating condition with high up-time through routine maintenance and liaison with suppliers and service providers.
2. Participating in collaborative research activities with faculty members and students.
3. Managing support staff involved in running facilities at the centre
4. Thorough understanding of all Process Technologies currently being used by 3D customers.

These include:

- a. Knowledge on Additive Mfg Design for AM, Metal AM –DFAM
- b. Concept development to part build for various segments like Aerospace ,automotive & tooling & Medical application
- c. Good understanding of equipment needs to process ‘post printed’ parts
- d. Technical Knowledge of equipment hardware in vacuum technologies including those listed above.
- e. Preferred Knowledge of the one or more points below:
  - Expertise in Engineering design of components & BOM study
  - Knowledge in GD & T
  - Prior experience in AM for Materials, at least over 3 years
  - Understand Manufacturing Process Plan
  - Knowledge in various types of AM techniques, pros & cons
  - Concept design & Topology optimization knowledge
  - Good understanding of assembly sequence & function
  - Thoughts to simplify assembly or parts
  - Multiple concept generation with DFAM approach & Part integration
  - Alternate material study & selection
  - Basic idea about part orientation & support structure optimization for Rapid prototyping
  - SW skills related to Additive Manufacturing
5. Any other duties as assigned from time to time.

**Age limit :**50 years. Admissible age relaxation for SC, ST, OBC and PH will be extended.

**Emoluments :** To be decided by the committee based on qualification and experience (maximum limit: Consolidated salary of Rs.1,00,000/- per month)

### **General Conditions for positions above:**

8. Duration :The positions are on contract and will be temporary for a period of ONE year and renewable annually for a maximum period of 5 years, based on satisfactory performance and at the discretion of the authorities of the Institute.
9. Selection Method :Interview for short listed candidates will be held at Indian Institute of Science Campus, Bangalore.
10. Applicants, who possess the minimum educational qualification as on the date of advertisement only need to apply.

11. Candidates would be expected to work on any of the three shifts including night shifts and holidays, except for the female candidates.
12. No accommodation will be available on the Institute campus.
13. Admissible age relaxation for SC, ST, OBC and PH will be extended.
14. Applicants who are desirous to be considered strictly on the aforesaid conditions may submit their Bio-data along with photocopies of Marks cards/Certificates, Caste Certificate in case of SC,ST,OBC (OBC certificate should be in the format prescribed for jobs under Govt. of India), Medical certificate in the prescribed format in case of Physically Handicapped issued by the Competent Medical Authority for the purpose of employment, to the ASSISTANT REGISTRAR, HUMAN RESOURCE UNIT, MAIN BUILDING, INDIAN INSTITUTE OF SCIENCE, BANGALORE – 560012, super-scribing on the envelope 'Application for the post of \_\_\_\_\_'. The application should reach on or before 20<sup>th</sup> July 2021. Incomplete applications are liable to be rejected. Also, qualified candidates should send their softcopy of the applications as PDF files to office.cpdm@iisc.ac.in with a cc to [karthickb@iisc.ac.in]karthickb@iisc.ac.in.