

## **National Institute of Technical Teachers' Training and Research, Bhopal**

(An Autonomous Institute under Ministry of Education Government of India)

Shanti Marg, Shamla Hills, Bhopal -462002

Recruitment Notice of Persons in Centre of Experiential Learning (CEL)

### **Objectives of Centre for Experiential Learning (CEL)**

The primary objective of experiential learning is to help complete students' preparation for their chosen careers, reinforcing course content and theory, which is the most vital ingredient in modern technical education. Students learn through peer centric approach- rather than instructor-centered experiences by doing, discovering, reflecting and applying. Through these experiences, students develop communication skills, self-confidence, team spirit, and decision-making skills by responding to and solving real-world problems and processes. The centre would work with the following objectives;

1. to develop experiments for hands-on experience in choosing and using common scientific, engineering or trades equipment appropriately;
2. to develop motor skills in using scientific, engineering or industrial tools or creative media;
3. to give participants an understanding of the advantages and limitations of laboratory experiments;
4. to enable students to see science, engineering or trade work in action
5. to allow teachers and students to test hypotheses or to see how well concepts, theories, and procedures work when tested under laboratory conditions
6. to train participants on how to design and conduct experiments
7. to design and create objects or equipment in different physical media.

#### **1. Technical Officer/ Workshop Supervisor/Deputy Consultant (Temporary on Contract) – No. of Post-01(One).**

##### **Eligibility Criteria:**

- Minimum Qualification: Master Degree in Engineering/Technology in relevant field from recognized University/ Institution.

- Minimum Experience: 2- 5Yrs. experience in industry/research/teaching. The candidate must have experience in the operation and maintenance of engineering workshop and laboratory equipment.

- Emoluments: Up to Rs.1, 20,000/-

Retired govt. personnel: He/She will be given remunerations admissible as per Ministry of Finance, Department of Expenditure OM. No. F. No. 3-25/2020-E.IIIA dated 9th December 2020 and as amended from time to time.

- Tenure: One year, Extension for further period based on performance

**Note: The interested candidates are required to submit detail project proposal/plan about the center activities (not more than 1000 words)**

#### **Job Roles:**

- Preparing and follow-up of general maintenance schedule in Labs.
- Assist Mentors on cost-effective ways to prepare teaching aids.
- Keeping a maintenance record and filing documents, invoices, and instruction manuals.
- Procurement, keeping the inventory/records of maintenance tools, materials, and parts etc.
- Assist project team for arranging the equipment and software required for the project.
- Supervising the project team. Housekeeping of laboratory/work place.
- Performing operation, maintenance and repair tasks related to project.
- Assist Chief Technical officer (CTO) in carrying out their jobs.
- Proactively performing structural maintenance and keeping Labs neat and clean.
- Diagnosing equipment malfunctions and performing repairs.
- Assist in purchasing maintenance tools, materials, or replacement parts.
- Following prescribed safety regulations at all times.
- Prepare and finalize component and assembly drawings as well as work flow for fabrication/assembly.

## **2. Technical Assistant (Temporary on Contract)**

**(i) CNC Operator/Programmer Temporary on Contract - No. of post-01(One).**

#### **Eligibility Criteria:**

- Minimum Qualification: Diploma in relevant field from recognized institution.

- Minimum Experience: 2-5 years. The ideal candidate should have a diploma in Mechanical Engineering with 2-5 years of experience in CNC programming and machining.

- Emoluments: Up to Rs.45,000/-

Retired govt. personnel: He/She will be given remunerations admissible as per Ministry of Finance, Department of Expenditure OM. No. F. No. 3-25/2020-E.IIIA dated 9th December 2020 and as amended from time to time.

- Tenure: One year, Extension for further period based on performance

### **Job Roles:**

- Translate the requirements of detailed part drawings into measurements for production
- Perform proper set-up and calibration procedures for all equipment and accessories to be used on various projects
- Ensure that every machine procedure is done in accordance with the strict guidelines of the Project mentors.
- Follow all laboratory/workshop safety protocol.
- Inspect the work area and machines that were used during the day prior to leaving at the end of each day.
- Attend and actively participate in training classes and safety sessions

### **(ii) Milling / Lathe Machine Operator Temporary on Contract, No. of Post-01(one)**

#### **Eligibility Criteria:**

- Minimum Qualification: Diploma in Mechanical Engineering from recognized Institution.
- Minimum Experience: 2-5Years. The ideal candidate should have experience in operating milling and lathe machines.
- Emoluments: Up to Rs. 45,000/
- Retired govt. personnel: He/She will be given remunerations admissible as per Ministry of Finance, Department of Expenditure OM. No. F. No. 3-25/2020-E.IIIA dated 9th December 2020 and as amended from time to time).
- Tenure: One year, Extension for further period based on performance.

## **Job Roles:**

- Load/unload parts from machine.
- Works from detailed blueprints.
- Lays out reference lines and points as a guide in machining operations when necessary.
- Sets up milling machines by positioning and locating work piece.
- Set up Lathe Machines.
- Control and adjust machine settings.
- Operates assigned machine shop tools including mill, lathe, horizontal and vertical saws, grinders and drill presses.
- Performs routine preventative maintenance and cleaning on assigned machines.
- Learns to use the hand tools needed to perform the job.
- Sets-up mills and lathes by installing and adjusting three- and four-jaw chucks, tools, attachments, collects, bushings, cams, gears, stops, and stock pushers.
- Hand loads parts and/or material, hand feed tools as required.
- Inspects parts during production using various types of gauging devices such as comparators, hand mikes, plug and depth gages, makes machine and tooling adjustments necessary to maintain print specifications.
- Re-sharpens and replaces tools, rakes chips, sands face, adds coolant.
- Performs straight and taper turning, boring, threading, facing, drilling, tapping, reaming, plugging and mill work, to the required dimensional specifications and tolerances.
- Operates Iron Worker to notch and punch a variety of metals.
- Operates band saw to cut angles, pipes, tubings and hss.
- Desired experience for lathe operator includes:
- Must be able to operate CNC Lathes AND Mills with G code controls and Mazatrol controls.
- Reliable and able to work with attention to detail and safety standards.
- Ability to communicate issues verbally and in written form.
- Some knowledge of inspection gauges and equipment.

### **(iii) Fitter - Temporary on Contract, No. of Post-02 (Two)**

#### **Eligibility Criteria:**

- Minimum Qualification: ITI Fitter certificate from recognized Institution.
- Minimum Experience: 2-5Years. The ideal candidate should have experience in fitting work.
- Emoluments: Up to Rs.35,000/-
- Retired govt. personnel: He/She will be given remunerations admissible as per Ministry of Finance, Department of Expenditure OM. No. F. No. 3-25/2020-E.IIIA dated 9th December 2020 and as amended from time to time.

- Tenure: One year, Extension for further period based on performance.

**Job Roles:**

- Reviewing the blueprints of various mechanical systems.
- Constructing and joining structural components.
- Examining and measuring components to ensure that they are of the correct size and quality.
- Using welding equipment and hand tools like ball-peen hammer, hack saw, and steel ruler while constructing structural components.
- Performing regular maintenance checks.
- Identifying system malfunctions and rectifying the same.
- Placing replacement orders for defective or broken parts.
- Adhering to the safety guidelines and industry standards at all times.
- Fabricating, assembling, and disassembling metal parts and tools as and when required.
- Checking if the finished parts are as per the specifications provided.
- Cleaning the work area before and after work.

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(Autonomous Institute under GOI, Ministry of Education)

NITTTR, Bhopal invites application for the post mentioned above purely on contract basis for its Centre for experiential Learning (CEL) and Skilling Centre for ATMP/OSAT Semiconductor Industry at Shamla Hills, Bhopal. Relevant details are given below:

- Self-attested copy of documents in support of the eligibility criteria with detailed resume should be attached.

Candidates fulfilling the above criteria may send the detailed resume (typed) as per the mentioned job roles

Prospective applicants are advised to visit NITTTR, Bhopal website regularly for the above purpose.

- a) **Submission of application:** Candidates who find themselves eligible for the post mentioned above shall submit their application within 15 days i.e. **28<sup>th</sup> of August 2023** from the date of publication advertisement. Application received after due date will not be entertained. Application complete in all respect in sealed envelope mentioning the Name of the post applied.
- b) Resume should have latest pass port size photograph, and signed photocopies of testimonials should reach at the following address:

To,  
The Director,  
National Institute of Technical Teachers' Training & Research,  
Shamla Hills,  
Bhopal- 462002.

**General Conditions: -**

1. The selected candidates have to produce their original testimonials at the time of interview.
2. Mere submission of application will not entail right for claiming appointment.
3. All qualifications should be from Indian Universities or Institutes approve / recognized by appropriate statutory/authorities.
4. The candidates employed in Central/State Government Department/Public Sector Enterprises etc. should produce NOC (No Objection Certificate) at the time of Interview from their employer. However, the candidate will not be eligible for the benefits admissible to the government employee. He or She will be treated only as contract employee.
5. Applicants having work experience in Private Sector organization are required to submit an experience certificate in the company letter head having details of

the company and the work executed by the candidate.

6. If the information furnished by the candidate in any part is found to be false or incomplete or is not found to be in conformity with the eligibility criteria mentioned in the advertisement, candidature/appointment will be considered as revoked/terminated at any stage of recruitment or after joining without any reference given to the candidate. In this regard decision of the Director, NITTTR, Bhopal will be final.
7. No TA/DA is permissible for appearing in the interview.
8. The initial appointment will be for 12 months. However, the candidate may be discontinued at any time by giving a one-month prior notice if the performance is not found satisfactory.
9. All correspondence to the candidate will be made via E-mail ID provided by the candidate in the application form. No other mode of communication will be adopted.
10. **Canvassing in any form will disqualify the candidature.**
11. **All candidates are requested to go through the detailed advertisement carefully to clear all doubts/queries.**
12. **Management will take the further process of screening on the merit etc. of the candidate.**

**Dean  
Administration**