



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**COLLEGE OF ENGINEERING GUINDY CAMPUS**  
**ANNA UNIVERSITY: CHENNAI-600025**

**Recruitment of Project Assistant**

**Dated: 07.05.2026**

Applications are invited from eligible candidates for the post of '**Project Assistant**' in the CMRG funded research project entitled "**Mitigating Hydrogen Permeation in Aluminium Alloys through Hybrid Laser Shock Peening and TiAlN Coating**" at the Department of Mechanical Engineering, CEG Campus, Anna University, Chennai - 25.

<b>Designation</b>	<b>Monthly Emoluments (Rs.)</b>	<b>No. of positions</b>	<b>Duration</b>	<b>Qualification</b>
<b>Project Assistant</b>	<b>Rs.25,000 (Consolidated)</b>	<b>1</b>	<b>3 years or till the completion of the project (whichever is earlier)</b>	<b>Essential Qualification:</b> First Class B.E. / B. Tech Degree in Mechanical Engineering, Metallurgical Materials Science and Engineering, or allied Engineering disciplines under Mechanical Engineering from a recognized University / Institution.  <b>Desirable Qualification:</b> First Class M.E./M.Tech Degree in Mechanical Engineering / Metallurgical / Material Science and Engineering or its allied specializations from a recognized University / Institution.

**Desirable Qualifications and Skills:**

- 1) Strong academic background.
- 2) Proficiency with Materials and Metallurgical Science, Matlab, FEA, and modern AI tools.
- 3) Good communication and writing skills.

### **General Information:**

1. The position is purely temporary and will expire after the project is completed.
2. Only short-listed candidates will be called for interview.
3. No TA/ DA will be paid for attending the interview.
4. Successful candidate can register for M.S. by research or Ph.D. in Full time at Anna University in the same research area.

### **5. ABOUT THE PROJECT:**

- o The proposed work aim to develop a hybrid surface modification approach combining Laser Shock Peening (LSP) and TiAlN PVD coating to enhance hydrogen embrittlement resistance in AA7075 aluminium alloy through improved surface integrity, mechanical strength, and hydrogen diffusion barrier properties.
- o This **dual treatment approach**—combining the mechanical strengthening effect of LSP with the diffusion-barrier properties of TiAlN will be optimized through systematic variation of process parameters for both stages. Comprehensive **mechanical, surface, and structural characterizations** will then be performed to evaluate the effectiveness of this hybrid surface modification in mitigating hydrogen embrittlement

### **How to Apply:**

Interested candidates possessing qualifications as stated above, may send their filled-in application (as per Annexure - I) **by post** along with self-attested photocopies of educational qualifications, any other experience certificates (if applicable), Mark sheets, evidence of any other academic credentials, **on or before 02-06-2026**. Please mention '**DME/CWS/Project Assistant Recruitment/ Project No. CMRG251408 Dr.K.Thirumavalavan**' on the postal cover and send it to the following address:

Address for communication:

**(Ref. - Project Assistant - Project No. CMRG251408)**

**To**

The Head of the Department  
Department of Mechanical Engineering,  
College of Engineering, Guindy Campus,  
Anna University, Chennai-600025.

Also send a soft-copy of the filled in application form with scanned proofs attached as a single document to **valavan\_sk@annauniv.edu**.

K. Sub  
02/05/26

S. Subramanian  
HOD  
02/05/26

**Department of Mechanical Engineering**

Professor and Head,  
Dept of Mechanical Engg.,  
College of Engineering Guindy Campus,  
Anna University Chennai,  
Chennai - 600 025.



**Annexure-I**  
**ANNAUNIVERSITY**  
**CHENNAI-25**

**PROJECT ASSISTANT RECRUITMENT- APPLICATION FORM**

(To be filled by office)

Application number		Date of Receipt of the application	
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(To be filled by the applicant)

**Personal Details:**

Full Name (In Capital)				Affix Recent Passport Size Photo
Date of Birth (DD/MM/Y)		Gender (Male/Female)		
Marital Status (Married/Unmarried)		Nationality		
Category (Gen/EWS/OBC/SC/ST)				
Address for Communication		Permanent Address		
Mobile/Phone no.		E-mail ID		

**Education Background (From Matriculation Onward; Attach copies of the qualifying degree certificates and mark sheets)**

S.No.	Degree	Board/University	Regular/ Part time	Year	Division	%Marks /CGPA
1	10 <sup>th</sup>					
2	HSC					
3	B.E / B.Tech					
4	M.E/ M.Tech					

**Qualifying Examination (GATE/CSIR/UGC/NET/Others)**

S.No.	Qualifying Examination	Branch	Year	Valid up to	Percentile	All India Rank	Any other information

**Professional Experience (Attach Copies of experience certificates)**

S.No.	Designation	Name of the Organization	Period		Nature of Work
			From	To	

Research Publications (if any) :

Awards, Patents, Prizes, etc., (if any) :

Any other relevant information which is not covered above:

**DECLARATION**

I declare that the information furnished above is true and correct to the best of my knowledge and belief, and that no related information is concealed. If any discrepancy is found at any stage, Anna University, Chennai, shall cancel my application / selection. I am aware that this application is only for a temporary position.

**Place:**

**Date:**

**Signature of the Applicant**