

## **Advertisement for the Position of Senior Research Associate (Postdoctoral)**

Ref. No: NITK/MECH/ADA-2021-22

Date: 22/11/2021

Applications are invited from interested meritorious candidates for the position of Senior Research Associate (Postdoctoral) under Aeronautical Development Agency funded research project entitled “**Generation of design data for Condenser of Vapour Compression Module (VCM) of AMCA**”. The availability of the fund will be for a period of one year.

Interested candidates should fill their academic and personal details in the prescribed application format and send the same along with attested copies of relevant certificates within two days from the date of advertisement to the contact person. Only the shortlisted candidates will be informed by post/E-mail/Phone.

Shortlisted candidates should report to the contact person for certificate verification followed by technical interview. Interview is most likely to be held during the First week of December 2021 The exact date of interview will be intimated through email. Selection will be based on qualification, experience, and interview performance. TA/DA will not be paid for attending the written test and interview. NITK Surathkal reserves the right to reject any or all the application without assigning any reasons thereof. Selected candidates will be required to join immediately.

Title project	<b>Generation of design data for Condenser of Vapour Compression Module (VCM) of AMCA</b>			
Funding Agency	Aeronautical Development Agency			
Principal Investigator	Prof T.P. Ashok Babu			
Co-Principal Investigator	Dr. Vasudeva Madav			
Number of Posts available and details	<b>ONE</b>			
	S.No.	Position	Qualification	Fellowship (Rs Per month)
	1	Senior Project Associate (Postdoctoral)	PhD	42000+HRA
Department/Centre	Department of Mechanical Engineering			
Tenure of the Project	Up to 30 <sup>th</sup> November 2022 or completion of Project whichever is earlier			

Qualification and Experience	PhD in Refrigeration and Air Conditioning/Thermal Engineering. Knowledge of ANSYS and FLUENT Packages and Programming Skills (C- Programming/MATLAB)
Desirable qualities	Candidate must be able to work independently and flexibly and having the following qualities will be desirable. <ol style="list-style-type: none"> <li>1. <i>Basic knowledge about</i> laboratory/bench scale work with a technical focus on the basic fundamentals to understand and optimize the process</li> <li>2. <i>Implementation:</i> Pilot/demonstration scale or the field application projects</li> <li>3. <i>Sustainability aspects:</i> Financial, social, environmental aspects, models and simulations, theoretical evaluation, potential analysis, decision support tools</li> <li>4. Excellent analytical and writing skills</li> </ol>
Additional information	May be obtained by contacting the PI/Co-PI directly through email.
Last date for receipt of application	<b>05/12/2021</b>

Interested candidates may apply in the prescribed format along with CV, photo copies of relevant certificates, grade/mark sheets, publications etc., and should reach NITK on or before **05/12/2021** by post/email (scanned documents) in the prescribed address below:

Prof Ashok Babu T.P. Principal Investigator Department of Mechanical Engineering National Institute of Technology Karnataka Surathkal P.O: Srinivasanagar, Mangalore, Karnataka- 575 025	E-mail: <a href="mailto:tpab57@gmail.com">tpab57@gmail.com</a>  Tel : +91-9986548546
Dr. Vasudeva Madav Assistant Professor, Co- Principal Investigator Department of Mechanical Engineering National Institute of Technology Karnataka Surathkal P.O: Srinivasanagar, Mangalore, Karnataka- 575 025	E-mail: <a href="mailto:vasu@nitk.edu.in">vasu@nitk.edu.in</a>  M: +91-9008889796

**APPLICATION FOR THE POST OF SENIOR RESEARCH ASSOCIATE (Post-Doctoral)  
UNDER ADA RESEARCH PROJECT**

<b>For Office Use:</b>	Paste your recent Passport size photo
Serial Number: .....	
Eligible for Written exam/Interview: Yes / No	
Verified the Certificates: .....	

<b>1. Name:</b>	
<b>2. Father's Name:</b>	
<b>3(a). Date of Birth:</b>	<b>3(b). Nationality:</b>

**4. Contact information:**

<b>(i) Address for communication:</b>	
<b>(ii) Mobile No:</b>	
<b>(iii) Email ID:</b>	

**5. Educational Qualifications\***

Class	Subject/ Stream	Board/ University	Name of Institute	Marks/ CGPA	Year of Passing
X					
XII					
UG Degree					
PG Degree					
MPhil					
PhD					
<b>Competitive Exam</b>					
	<b>Qualified</b>	<b>Marks / Rank</b>		<b>Year</b>	
CSIR-UGC NET	Yes / No				
GATE	Yes / No				

**\*Attach self-attested scan copies of all certificates.**

**6. Work Experience, if any (in years) .....**

Organization	Designation	Duration	Responsibilities

**7. Number of Publications: (Attach a separate list of publications with full details)**

National	International

**8. Workshop/Training programs attended\*:**

S. No.	Details

**\*Attach separate sheet (if required)**

**9. Other Achievements\*:**

S. No.	Details

**\*Attach separate sheet (if required)**

**10. Declaration:** All the above information provided by me is true to the best of my knowledge and I understand that, if found incorrect, I may be disallowed to appear in the interview/test or terminated at any stage.

**Date:**

**Place:**

**Signature of the Candidate**

**Note:** Attach the list of enclosures along with the application.