



TIET-UQ Center of Excellence in Data Science and Artificial Intelligence

Date: 12th June, 2025

ADVERTISEMENT FOR THE POST OF Research Associate-I IN CENTER OF EXCELLENCE IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE (CoDSaI)

Applications are invited from highly motivated and eligible Indian citizens for a Research Associate-I position in CoDSaI, Thapar Institute of Engineering & Technology, Patiala.

Project Details:

Title of the Project	AI-Driven Modeling and Optimization of Breast Cancer Detection and Treatment through Magnetically Induced Hyperthermia Therapy
Sponsored Agency	CoDSaI
Name of the Post	Research Associate-I
Vacancy	01 Post
Duration	02 Years
Principal Investigator	Dr. Neeraj Kumar , Assistant Professor, Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala-147004, India. Email id: neerajkumar@thapar.edu
Opportunity	The selected candidate can work as Research faculty at TIET Patiala as per institute norms.

Other Details:

1. Essential Qualification	PhD. degree in Mechanical/ Computer Science/Electrical with at least 60% marks (or a` CGPA of 6.5 in 10 point scale) in M Tech. and B. Tech level. Applicants having a GATE/NET score will be preferred .
2. Desirable Qualification	<ul style="list-style-type: none">• The candidate should have knowledge of bio-heat transfer physics.• The candidate should have knowledge and experience of computational fluid flow and heat transfer applications.• The candidate should have hands-on experience in working with programming languages such as FORTRAN, C, C++, MATLAB, and other software packages like COMSOL Multiphysics and ANSYS Fluent.• The candidate should possess good oral/written communication skills• The candidate should have excellent research potential in the desired area.
3. Age Limit	Not more than 35 Years. SC/ST/OBC/Women/PD candidates will get the age relaxation as per Govt. of India norms.
4. Fellowship	Rs. 63,000/- per month consolidated as per norms.
5. Important	<ul style="list-style-type: none">• The assignment is purely temporary in nature, and it is co-terminus with the project.• No TA/DA will be paid for appearing in the interview and/or joining the position.• All terms & conditions for this recruitment will be as per the guidelines of CoDSaI, Patiala. CoDSaI reserves the right to cancel the recruitment without any information.
6. Job description	The selected candidate will work on AI-Driven Modeling and Optimization of Breast Cancer Detection and Treatment through Magnetically Induced Hyperthermia Therapy.
7. How to Apply	Eligible and interested candidates should send their detailed curriculum Vitae (CV) in the given format through e-mail to Dr. Neeraj Kumar (neerajkumar@thapar.edu) mentioning the subject as “Application for Research Associate-I position” . The last date to receive the applications is 02 weeks from the date of this notification. The shortlisted candidates will be intimated about the interview date by e-mail.

Dr. Neeraj Kumar
Assistant Professor (Ph.D.@ IIT Bombay)
Department of Mechanical Engineering
Thapar Institute of Engineering & Technology

(Deemed to be University) Patiala –
147004
Mob: 778981221



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Application Form for Research Associate-I in CoDSal

Project Title: “”

1.	Name:		Affix recent passport size photograph			
2.	Male/Female:					
3.	Father/Spouse’s Name:					
4.	Mother’s Name:					
5.	Address:					
	a) Communication address:					
	b) Permanent address:					
6.	Email id:	7. Phone No:				
8.	Date of birth:	9. Marital status:				
10.	Nationality:	11. Caste category (OP/SC/ST/OBC/PH):				
12.	Details of Universities/Institutions attended (from 10th Standard onwards) (Self-attested copies of certificates and mark sheets/grade cards must be presented at the time of interview)					
	Degree	University/ College/Board	Year	Subject(s)	% Marks/ CGPA/CPI	Class
13.	Professional Qualifying Examination Passed: GATE/NET/Equivalent: (Attested copy of certificate must be attached with the application)					
	Name of Examination	Subject	Rank /Marks /Score/Percentile	Qualifying date/year	Valid upto	



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14. Professional Experience (Teaching/Research/Industrial), if any					
	Name of organization	Position	Type of work	Period	
				From	To
15. Any other relevant information (e.g. Publications, distinctions, achievements, recognitions, etc. if any):					
16. Declaration					
I hereby declare that the entries made in this application are correct to the best of my knowledge and belief.					
Place:					
Date:					
Signature and Name of the applicant					