



भारतीय प्रौद्योगिकी संस्थान हैदराबाद

कॉम्प्लेक्स - ५०२ २८५, संगारैड्यु, तेलंगाना, भारत.

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Indian Institute of Technology Hyderabad

Kandi - 502 285, Sangareddy, Telangana, INDIA

Phone: (040) 2301 6033; Fax: (040) 2301 6032

Application for the post of Research Associates in Mechanical and Aerospace Engineering in the area of MEMS

Date of Advertisement: 18/05/2021

Applications are invited from the Indian nationals for the post of Research Associate in the area of MEMS with relevant prior experience at the Department of Mechanical and Aerospace Engineering at IIT Hyderabad.

Name of the post	Research Associate (RA)
Number of vacancies	3
Sponsored Project	Design of high accuracy MEMS accelerometer and gyroscope for closed loop sensing
Salary	Rs. 47000/- + HRA (if hostel is not provided)
Appointment period	12 months (extendable up to two more years or till the closure of project.) Note: <ol style="list-style-type: none">1. Monthly fellowship will be released after monthly progress review report.2. In case of unsatisfactory progress, the candidate may be asked to leave after giving one-month notice.3. On satisfactory completion of 1 year, there is a scope of enhanced fellowship for subsequent year as per Institute/DST norms.
Essential Qualification	<ol style="list-style-type: none">1. PhD in Mechanical Engineering/Electrical Engineering with research focus on MEMS design using MEMS software/equivalent along with exposure to fabrication. Candidate with relevant experience and publication in standard MEMS journals will have added advantage. <p>OR</p> <p>ME/MTech in Mechanical Engineering/Electrical Engineering from NITs/IITs/IISc with at least 3 years of experience in MEMS design using MEMS software along with exposure to fabrication with at least 1 Journal publication. Candidate with relevant experience and publication in standard MEMS journals will have added advantage.</p> <ol style="list-style-type: none">2. Very strong mathematical and modeling background is preferably in multiphysics electromechanical area.



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	<ol style="list-style-type: none">Candidate should have good academic records throughout and good writing skills.Candidates should not have published in Predatory Journals.
Age limit:	Minimum age limit: 27 years (Minimum age relaxable for outstanding candidates) Maximum age limit: 33 Years Note: Upper age limit is relaxable for -1 year for OBC/Women/EWS and -2 years for SC/ST
Job Description	<ul style="list-style-type: none">- Collection of relevant literatures- Developing mathematical models incorporating different design parameters such as fabrication tolerances, etc.- Performing linear and nonlinear modeling and analysis- Designing highly accurate MEMS accelerometer and gyroscope for closed loop sensing- Should be knowing or willing to learn closed-loop sensing to perform closed loop circuit simulation.- Report preparation and lab management.- Interaction with sponsored agencies, etc.
Application Procedure	Candidates are required to send <ol style="list-style-type: none">1. Latest CV with marks percentage, experience and publication lists.2. Certificates/Transcripts with clear mention of discipline, percentage marks and date of birth.3. State of purpose stating relevant experience towards the project.4. At least one best publication in relevant area. to Email: ashok@mae.iith.ac.in with subject line "Application for RA in MEMS" by 31 st May 2021 (5:00 PM).
Selection Procedure	Candidates will be shortlisted based on the eligibility criteria, academic record and relevant experience. Only, shortlisted candidates will be intimated through email for the online interview by the selection committee. Merely meeting the criteria may not guarantee a call for an interview. The position will be left vacant and new advertisement with extended date will be given if no suitable candidate is found.

For more details about our work, please visit <https://www.iith.ac.in/~ashok/> .

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