



# Birla Institute of Technology and Science, Pilani

## Hyderabad Campus

### Junior Research Fellow Position

Date: 16<sup>th</sup> November 2021

Applications are invited from candidates with a strong background in thermal sciences for a Junior Research Fellow (JRF) position in a SERB-SRG (Start-up Research Grant) project, titled “Development of a high-efficiency, all-weather Atmospheric Water Generator (AWG) comprising of low-temperature-swing driven desiccant coated fin-tube heat exchangers”, under the supervision of Dr. Mrinal Jagirdar (PI, BITS Pilani). The project shall involve mathematical modelling and simulation of a desiccant coated heat exchanger as well as experimental work on it to establish its superior performance as an atmospheric water generator (AWG) in terms of potable water yield per unit electrical work required.

Deserving JRF may be considered for the Ph.D. program at BITS-Pilani if he/she meets the institute norms.

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#### **Eligibility:**

- M.E./M.Tech (or BE/BTech with an exceptional track-record) in Mechanical Engineering or an allied stream
- GATE score (For non-GATE candidates, the stipend will be provided as per SERB norms)

#### **Desired expertise/experience:**

- Hands-on experimental work
- CFD
- Matlab

**Fellowship:** Amount **Rs. 31000** per month

**Duration:** 2 years

**Place of work:** BITS Pilani, Hyderabad Campus

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#### **How to apply:**

Interested candidates may fill up this google-form [https://docs.google.com/forms/d/e/1FAIpQLSf56-wDeIXmZB5pVtumbFcZQG27T\\_DZ7Uoc7Uw9hvuFRw4f-Q/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSf56-wDeIXmZB5pVtumbFcZQG27T_DZ7Uoc7Uw9hvuFRw4f-Q/viewform?usp=sf_link) by **30<sup>th</sup> November 2021**. Email may only be sent to [mkjagirdar@hyderabad.bits-pilani.ac.in](mailto:mkjagirdar@hyderabad.bits-pilani.ac.in) in case of a query. Please do not send applications via email.

Preliminary shortlisting will be based on CV and telephonic/audio-visual interview within a week of the last date of application. For the final interview, the candidate will be informed through e-mail.

Dr. Mrinal K. Jagirdar (Principal Investigator)

Assistant Professor

Mechanical Engineering Department,

BITS-Pilani Hyderabad Campus

Contact mail-id (PI): [mkjagirdar@hyderabad.bits-pilani.ac.in](mailto:mkjagirdar@hyderabad.bits-pilani.ac.in)

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