



Date: 17th Aug 2021

CALL FOR JUNIOR RESEARCH FELLOW IN A ARDB FUNDED PROJECT

Applications are invited from suitable candidates for a Junior Research Fellow (JRF) position to work on the Project " **Theoretical and simulation based approaches to determine the forming limit diagrams of titanium alloy at elevated temperatures** " funded by the Aeronautics Research and Development Board (ARDB) under the supervision of Dr. Kurra Suresh, Assistant Professor, Department of Mechanical Engineering, BITS-Pilani, Hyderabad campus. This project is focused on the evaluation of the material properties of a titanium alloy at elevated temperatures, structure-property correlations, development of materials models and forming limit diagrams. Further, the material formability is tested in incremental forming and experimental results are validated with finite element simulations. At the end of the project, the investigator has to come up with an optimized process conditions to form the selected titanium alloy.

Duration of the project: 2 years

Project position: Junior Research Fellow

Fellowship amount: Rs. 31,000 per month

Eligibility requirements: ME/M.Tech with specialization in Manufacturing or Design with GATE score.

Desired Experience: Prior exposure/experience in softwares like ABAQUS, LS DYNA and MATLAB Programming.

Upper Age limit: 30 years

Application Procedure: Interested eligible candidates are advised to apply to the Principal Investigator, Dr. Kurra Suresh via email to ksuresh@hyderabad.bits-pilani.ac.in before **5pm,31st August 2021** with a CV giving detailed information about the educational qualifications, research experience and published or communicated research papers (if any), photograph and scanned copies of documents including- support of date of birth, educational qualifications (BE/B.Tech, ME/M.Tech),experience certificates from prior employment or project work (if any). **All the documents should be mailed as a single pdf file.** Please note that only qualified and suitable candidates will be notified for Interview via email. Interview would be through **Google Meet**.

Selected candidates may be permitted to register for Ph.D. program of BITS, Pilani, subject to the fulfilment of the requirements.

Best Wishes,

Dr. Kurra Suresh, Ph.D.
Assistant Professor, Mechanical Department.

