



Birla Institute of Technology & Science, Pilani

Pilani Campus

Ref: SP/YO/688/2018

25th May, 2021

CALL FOR JUNIOR RESEARCH FELLOW FOR A DST-SYST PROJECT

Applications are invited from eligible candidates for Junior Research Fellow (JRF) to work on the following project sponsored by DST-SYST (SP/YO/688/2018) under supervision of Dr. Sundaresan Raman, at Department of Computer Science and Information Systems, BITS-Pilani- Pilani campus, Rajasthan. The details are as follows:

Project Title: Mobile App for assisting Indian farmers in improving yield by automatic identification of plant diseases (Rice and Tomato).

Principal Investigator: Dr. Sundaresan Raman

Project Description: The project entails identifying the diseased portion of the plant in leaves/fruit and consists of the following modules: a) image acquisition b) image processing and developing models using machine learning/deep learning, as well as identifying the best model for a specific set of input criteria, c) development of a mobile app that would interface with the model deployed over cloud to identify and diagnose the diseases in plants.

Fellowship: Rs. 31,000/- (as per DST-SYST and institute guidelines)

Project Duration: ~8 months (likely to be extended to 14 months)

Essential Qualifications: M.E./M-Tech (with minimum 60% marks) in Computer Science and Engineering, Information Technology, Information Systems, Software Systems or relevant area

Desirable Qualifications: GATE or UGC-NET qualification*

Application Deadline: 11/06/2021

Tentative Interview Date: 14/06/2021

Expected joining Date: 21/06/2021

Application Procedure:

- Interested and eligible candidates can send their C.V. or resume, a cover letter with details about educational qualifications, research experience, and other relevant details to the PI at sundaresan.raman@pilani.bits-pilani.ac.in with the subject "Application for JRF position".
- Only shortlisted candidates will be informed through email and called for interview through video conference (Google Meet/Skype) or at CSIS department at BITS Pilani, Pilani campus, Raj.

Notes:

- *Non-NET/Non-GATE applicants would be considered at fellowship of Rs 25,000/- pm as per DST.
- For any queries regarding the position, please feel free to email the PI.
- The selected candidate will be encouraged to join the PhD program at BITS Pilani, as per the institute rules
- No TA/DA will be paid for attending the interview.

Sundaresan Raman (PI)

Assistant Professor



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