



BITS Pilani

Pilani | Dubai | Goa | Hyderabad | Mumbai
Research & Innovation

Research Fellow (to join as PhD Scholar)

AI for crop disease detection

Pilani Campus | Deadline: 18 Sept 2023 | Joining: At the earliest

Date: 18 Sept, 2023

Applications are invited for **ONE** position of **Research Fellow*** on project, "Farmer-driven localized artificial intelligence system for early detection of wheat rust disease and nutrient deficiency" under the supervision of Dr. Rallapalli Srinivas, Prof. Vinay Chamola and Prof. Pratik Narang.

* The selected candidate is encouraged to join PhD Program of BITS Pilani. Interested candidates check the eligibility criteria and qualification process of the PhD program of BITS Pilani (<http://www.bitsadmission.com/phmain.aspx>).

Scope of work	Essential Qualification	Desirable Qualification
<ul style="list-style-type: none">Developing a farmer-driven federated AI based digital technology to detect wheat rust disease and identify the environmental factors for the same using hyperspectral imaging and IoT sensors data, and cloud database.Creating a farmer-friendly mobile app for farmers for maximizing soil fertility and crop growth.Suggesting AI based solutions to improve wheat crop yield and quality while reducing operating costs and environmental pollution.	MSc in Soils Science / Agronomy / Agrometeorology or allied fields. MSc/Mtech in Soils Science / Agronomy / Agrometeorology /Agricultural Engineering/Geoinformatics/Computer Science and Engineering/Civil or allied fields.	Candidates having background of working with GIS, Artificial intelligence and Agricultural datasets would also be preferred

Fellowship: ₹37,000 - ₹42,000 per month (based on the year of PhD and performance)

Duration: As per BITS Pilani norms (<http://www.bitsadmission.com/phmain.aspx>)

Place of work: BITS Pilani, Pilani Campus, Rajasthan 333031

Application process: Please apply with **CV and Cover letter** (showing alignment and justification with the roles/responsibilities/requirements) using this form

- Google form link: <https://forms.gle/swMnipp2WvF72Lez7>
- Deadline: 30 **September 2023**

Preliminary shortlisting will be based on resume and telephonic/audio-visual interview within a week of last date of application. For final interview, the candidate will be informed through e-mail/ Phone for interview. No TA/DA will be provided in case of personal interview. For more details, please contact:

Dr. Rallapalli Srinivas
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