**ONE Research Fellow Position
(To join as PhD Scholar)**

**Growth and biochemical characterization
of edible desert plants with ML for
environmental impact evaluation**

**Pilani Campus |
Deadline: 05 October 2023 |
Joining: At the earliest**

Date: 18 Sept, 2023

Applications are invited for **ONE** position of **Research Fellow*** on the project:
"***Growth assessment, phenotyping and biochemical characterization of edible desert plants with machine learning approaches for environmental impact evaluation***" under the supervision of:
Dr. Mukul Joshi, Prof. Pankaj Kumar Sharma and **Dr. Tanmaya Mahapatra**.

* The selected candidate is encouraged to join PhD Program of BITS Pilani. Interested candidates may 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
• This is a cross-disciplinary work involving plant physiology, plant biochemistry and computer science. • Understanding the growth characteristics, phenotyping and biochemical characterization along with artificial intelligence approaches for environmental impact evaluation of desert plants.	M.Sc./ M.Tech. in Biotechnology / Botany or related biological science disciplines (with first division as defined by the awarding Institute/ University) from recognized Universities/Institutes.	**Highly desirable:** • Basic programming skills (Python, Java, R) • Basic Unix Server admin (BASH shell) **Desirable:** • Data visualization and Plotting tools (Gnuplot) • LaTex for report writing **OR** Willingness to learn these topics by learnings in additional courses in computer science area within a period of 2.5 years from the date of joining. • Candidates with wet-lab experience in plant physiology/ biochemistry will be preferred. • Candidates with CSIR/UGC-NET or valid GATE score are encouraged to apply.

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 Google form https://forms.gle/QAdhb818wfRY1sMbA

• Deadline: **05 October 2023**

Preliminary shortlisting will be based on resume and/or 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:

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