



भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

Dated: 1/1/2025

Advertisement for a Postdoctoral Position

Applications are invited from motivated and eligible candidates for a Postdoctoral (Research Associate-I) position in ISRO respond sponsored research project "*RES-VSSC-2023-036: Development of Artificial Intelligence (AI) and Deep Learning (DL) based Algorithms for identifying, characterizing and tracking of Rain Cells embedded in mesoscale convective systems using Doppler Weather Radar Observations*".

The project aims to enhance the understanding and prediction of mesoscale convective systems (MCS), which are critical for weather forecasting due to their role in severe weather phenomena like thunderstorms, heavy rainfall, and lightning. Doppler Weather Radar (DWR) observations provide high-resolution data that can be analyzed using AI and DL to identify and track rain cells within these systems.

The search will commence immediately and continue until the position is filled. Interviews will be held at IIT Indore Simrol Campus, Indore-453552. Candidates interested in this position should apply here: [Application link](#)

Only shortlisted candidates will be called for an interview. No TA/DA will be paid for appearing in the interview.

Eligibility:

- Doctorate or equivalent degree in Science/Engineering/Technology, OR
- Three years of research, teaching, and design/development experience after M.E./M.Tech. with at least one research paper published in a Science Citation Indexed (SCI) Journal as Research Associate-I.

Desirable: *Experience in AI/ML model development for object tracking or/and experience in Doppler Weather Radar data processing*

Stipend: 58000/- per month + Applicable HRA as per project guidelines IIT Indore rule.

Duration: The appointment is for one year initially and is likely to continue till the end of the project based on the performance of the candidate.