

Dated: 13/06/2019

Rolling Advertisement for a Postdoctoral Position

Applications are invited from motivated and eligible candidates for a postdoctoral position in the research project “*Investigating Various Aspects of Smart Manufacturing*” in Discipline of Mechanical Engineering, IIT Indore.

Brief description of the project:

Globally, the manufacturing industry is gearing up for the next level of industrial revolution and it is called Smart Manufacturing or Industry 4.0. Smart manufacturing is where manufacturing machines and systems are self-aware, can communicate with each other, and are able to make decisions that will improve system performance. Smart manufacturing requires machines to have the ability to gather (and share) data about its condition and operation, ability to perform data analytics to understand how its condition and operation affects system performance, and decision-making ability to take actions that will improve/optimize system performance based on the gathered data. In line with this, the objective of the project is as follows:

“Investigating Various Aspects of Smart Manufacturing”

Various aspects may include:

- Cyber-Physical Production System
- Industry 4.0 Standards
- Artificial Intelligence for Manufacturing
- Prognostics in Manufacturing
- Data extraction from Sensors and Controls for smart manufacturing
- Cyber (Digital) Twin Technology
- Holonic Manufacturing
- Decentralized Shop floor Decision-making
- Agent based Systems for Manufacturing
- Cyber Security in Manufacturing, etc.

Eligibility: Ph.D. in *Computer Science and Engineering, Information Technology, Mechanical Engineering, Industrial Engineering, or any other relevant discipline*

Knowledge of Java/Python will be an added advantage.

Please note that you should have defended your Ph.D. dissertation.

Stipend:

Postdoctoral Fellow will be paid consolidated salary based on the following salary structure of the DST for Research Associate.

Category Emoluments per month

Research Associate-I

Research Associate-II

Research Associate-III

The category will be decided/recommended by the selection committee based on the qualification/Experience/Performance in the interview of the candidate.

Service conditions:

(i) DA: Postdoctoral Fellow will not be entitled to DA.

(ii) House Rent Allowance (HRA): All Postdoctoral Fellow may be provided accommodation based on availability and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to Postdoctoral Fellow as per Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

(iii) Medical Benefits: The Postdoctoral Fellow will be entitled for medical allowance as per institute policy.

(iv) The travel entitlement for Postdoctoral Fellow for participation in scientific events/workshops in India will continue to be as per institute norms.

Duration: The appointment is for one year.

Interested candidates are requested to submit a detailed CV to *Dr. Bhupesh Kumar Lad* via e-mail: indacsm@iiti.ac.in with a copy to bklad@iiti.ac.in

For details please visit concern faculty profile at www.bklad.webs.com

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