

RESEARCH ASSISTANT FOR A SPONSORED PROJECT IN COMPUTATIONAL MATERIALS SCIENCE

POST: RESEARCH ASSISTANT (RA)

No. of posts: One **Post No: RA-01** The candidates will be considered for RA post for 2 YEARS (May 2021 – April 2023)

Minimum Qualifications:

PhD with background in Computational Materials Science or Computational Physics or Computational Chemistry.

Desirable: Fundamental knowledge of polymers, statistical mechanics and transport phenomena; Experience in simulations, MATLAB, Mathematica or C Programming; Research Publications

Job Description:

- CUDA code development for studying dynamics of large networks of polymer grafted nanoparticle (PGN) systems.
- Perform simulations to capture mechanical properties of PGN networks.
- Analysis of structure-property relations in PGN networks.
- Provide structured code documentations for the simulation studies and analysis.
- Writing reports and research papers on the work performed.

Salary: Rs.61100 P.M. (Including HRA)

APPLICATION PROCEDURE:

Eligibility: Candidates with a PhD and a background in Computational Materials Science or Computational Physics or Computational Chemistry.

Candidates are requested to send their CV to the principal investigator on or before 10 April 2021. The short listed candidates have to appear for a technical interview. Selection will be made based on the performance in the technical interview. Interview schedule will be intimated by the admission committee.

Contact Details of the Principal Investigator:

Dr. Balaji Iyer Vaidyanathan Shantha.

Associate Professor

Department of Chemical Engineering

Email: balaji@che.iith.ac.in

Website: <http://iyerb.weebly.com/>

Co- Principal Investigator

Dr. Subhradeep Chatterjee

Assistant Professor

Department of MSME

Location:

Indian Institute of Technology Hyderabad,

Kandi, Telangana, India 502285

Website: <https://www.iith.ac.in/~subhradeep/index.html>

Last date of receipt of CV: 10 April 2021

Interview will be scheduled between: 16-19 April 2021