Job Notification Form, IIT Delhi

Company Overview

Name: Corning Technologies India Pvt Ltd

Website: https://www.corning.com/

Company Type: Other (0)

Description: For more than 165 years, Corning has combined its unparalleled expertise in glass science, ceramics science, and optical physics with deep manufacturing and engineering capabilities to develop life-changing innovations and products.

Job Details

Designation: Research Scientist – Applied Mechanics

Type: Core (Technical)

Place of Posting: Pune

Job Details: This position is for a “Research Scientist – Applied Mechanics” who can use his/her engineering knowledge and fundamental understanding to solve problems using modeling & simulation. We are looking for strong, dynamic, and independent individuals with out-of-the-box thinking to deliver innovative and cost-effective solutions for products & processes. Apply numerical methods to understand physics, generate new concepts and study design options for different Corning businesses. Candidate will work closely with project leaders, experimentalists and other modeling individuals located globally.

Day to Day Responsibilities:
• Candidate will develop, validate and apply analytical & numerical models to solve dynamic impact models, nonlinear FEA, fracture mechanics and other applied mechanics problems related to product performance and processes.
• Participate on cross functional teams to solve research and development problems and, deliver practical solutions to high-value business programs in technology and engineering.
• Develop models using appropriate methods and software; expanding the capabilities as needed.
• Communicate and present regular project updates to the stakeholders located across the globe.
• Document findings with internal and external publications.
• Keep abreast with the technological advancements.

Required Skills:
• Strong background in solid mechanics and FEA. Deep understanding of solid mechanics concept and theory.
• Experience with commercial FEA softwares including but not limited to ABAQUS, LS-DYNA, ANSYS Mechanical, MATLAB, or Tecplot.
• Strong analytical, diagnostic and problem-solving skills
• Experience with modeling dynamic impact problem, material non-linearities.
• Very good communication skills and strong ability to interact with team members and customers.
• Ability to understand and break down real world problems into solvable modeling

objectives.
• Good balance between technical depth and breadth (i.e. flexible and adaptable to multiple technology areas).
• Self-motivated, interested in long term technical growth.

Desired Skills:
• Experience with experimental work, directly or in a collaboration
• Flexibility to work in a dynamic work environment & on diverse technologies
• Experience in multiple software and/or programming languages (C/C++, Unix, Shell, Python) will be an added advantage.
Soft Skills:
• High level of technical curiosity, and, maintain a desire to learn and grow in diverse technology areas.
• Must be collaborative and able to openly engage with colleagues to achieve project goals
• The ability to translate difficult technical concepts to broader audience
• Self-motivated with an ability to manage one's own work independently
• Ability to communicate effectively by phone and video with team members in international locations

Education and Experience:
• PhD / Masters / Dual Degree in Mechanical Engg., Civil Engg. or Materials Science with emphasis on solid mechanics and Finite Element Analysis

Travel:
• Occasional travel to global locations to interact with people in the research, development, engineering and manufacturing community.

Joining By: 1 July 2022

Salary Details

CTC: 1,043,895 INR Per Annum

Gross: 930,000 INR Per Annum

CTC Breakup:
M.Tech/Dual Degree
Annual Basic Salary 333839
Annual House Rent Allowance 200303
Annual Allowances 368039
Annual Leave Travel Allowance 27820
Annual Base Salary 930000
Add:Goal Share* (Target 6.5%) 60450
Annual Total Cash 990450
Provident Fund @ 12% 40061
Gratuity 16050
NPS (10%) 33384
Group Medical Plan 24400
Total Compensation 1104345

PhD.

Annual Basic Salary 380795
Annual House Rent Allowance 228477
Annual Allowances 414995
Annual Leave Travel Allowance 31733
Annual Base Salary 1056000
Add:Goal Share* (Target 6.5%) 68640
Annual Total Cash 1124640
Provident Fund @ 12% 45695
Gratuity 18307
NPS (10%) 38080
Group Medical Plan 24400

Total Compensation 1251122

Perks / Bonus: M.Tech/Dual
Goal Share* (Target 6.5%) 60450

PhD-
Goal Share* (Target 6.5%) 68640

Selection Process

Resume Shortlist: Yes

Written Test: No

Online Test: Yes

Group Discussion: No

Medical Test: No

Personal Interview: Yes

No. of Rounds: 4 (1 written test + 2 personal interview+1 HR Round)

No. of Offers: 1

Minimum CGPA: 7.5

Eligibility

Recruiting PHDs: Yes

Eligible Departments: B.Tech and M.Tech in Biochemical Engg & Biotechnology, B.Tech and M.Tech in Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing, M.Tech in Applied Optics, M.Tech in Atmospheric-Oceanic Science and Technology, M.Tech in Biomedical Engineering, M.Tech in Chemical Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Computer Technology, M.Tech in Construction Engineering & Management, M.Tech in Control & Automation, M.Tech in Energy & Environment Technologies and Management, M.Tech in Energy Studies, M.Tech in Engineering Analysis & Design, M.Tech in Environmental Engineering & Management, M.Tech in Fibre Science & Technology, M.Tech in Geotechnical and Geoenvironmental Engineering, M.Tech in Industrial Engineering, M.Tech in Industrial Tribology & Maintenance Engineering, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Materials Engineering, M.Tech in Mechanical Design, M.Tech in Molecular Engineering: Chemical Synthesis & Analysis, M.Tech in Optoelectronics & Optical Communication, M.Tech in Polymer Science & Technology, M.Tech in Polymer Science and Technology, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Production Engineering, M.Tech in Radio Frequency Design & Technology, M.Tech

in Rock Engineering & Underground Structures, M.Tech in Solid State Materials, M.Tech in Structure Engineering, M.Tech in Telecommunication Technology & Management, M.Tech in Textile Chemical Processing, M.Tech in Textile Engineering, M.Tech in Thermal Engineering, M.Tech in Transportation Engineering, M.Tech in VLSI Design Tools & Technology, M.Tech in Water Resources Engineering, B.Tech in Civil Engineering and M.Tech in Geotechnical and Geoenvironmental Engineering, B.Tech in Mechanical Engineering and M.Tech in Thermal Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Civil Engineering and M.Tech in Structural Engineering, B.Tech in Civil Engineering and M.Tech in Construction Engineering & Management, B.Tech in Textile Engineering and M.Tech in Computer Science & Engineering, B.Tech in Engineering Physics and M.Tech in Computer Science & Engineering, B.Tech in Chemical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Production Engineering, M.S.(R) in Applied Mechanics, M.S.(R) in Biochemical Engineering and Biotechnology, M.S.(R) in Biological Sciences, M.S.(R) in Telecommunication Technology and Management, M.S.(R) in Civil Engineering, M.S.(R) in Chemical Engineering, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in Automotive Research and Tribology, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Mechanical Engineering, M.S.(R) in Materials Science and Engineering, M.S.(R) in Information Technology, B.Tech in Civil Engineering and M.Tech in Water Resources Engineering