

# Job Notification Form, IIT Delhi

## Company Overview

<b>Name:</b>	Corning Technologies India Pvt Ltd
<b>Website:</b>	<a href="https://www.corning.com/">https://www.corning.com/</a>
<b>Company Type:</b>	Other (0)
<b>Description:</b>	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- Fluid & Thermal

**Type:** Core (Technical)

**Place of Posting:** Pune

**Job Details:** "Research Scientist – Fluid and Thermal"  
This position is for a "Research Scientist – Fluid and Thermal" who can use her/his engineering knowledge and fundamental understanding to solve problems using modeling & simulation. We are looking for 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, study design options and generate new concepts 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 problems related to manufacturing processes & product performance.
- 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 fluid dynamics, heat & mass transfer, transport phenomenon, numerical and computational techniques.
- Experience with commercial / open-source softwares such as FLUENT, Polyflow, Ansys-Thermal, OpenFOAM, COMSOL, SpaceClaim, ANSYS Meshing platform, MATLAB, and Tecplot.
- Strong analytical, diagnostic and problem-solving skills.
- 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, Excel-VBA) will be an added advantage.
- Exposure to polymer processing / viscoelastic flow / combustion modeling will be a plus.

**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 at international locations.

**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 /** 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

**Bonus:** 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 (1Written 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 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 Materials Science and Engineering, M.S.(R) in Information Technology, B.Tech in Mechanical Engineering and M.Tech in Thermal Engineering, M.S.(R) in Mechanical Engineering, B.Tech in Civil Engineering and M.Tech in Water Resources Engineering