

WE'RE NOW
LinkedInTM
TOP STARTUP 2023



Nano Technology Mentorship Program

Basics 60 Days

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Starting Point For Your Career Path •••

Our Mission & Vision

We help undergrad and post grad students struggling to get industrial experience with our Industry Grade Mentorship programs which help them to become corporate-ready individuals and possess the skillset to take on any challenges without any self-doubt.



Mission

Our aim is to become one of the most preferred education technology platforms across the globe.



Vision

We envision a world in which each student receives the effective, equitable, and engaging education they need to reach their full and unique potential.



WHAT MAKES US UNIQUE!



Live Mentorship



Regular Evaluation



Multiple Domains



Career Assistance



Challenge Based Training

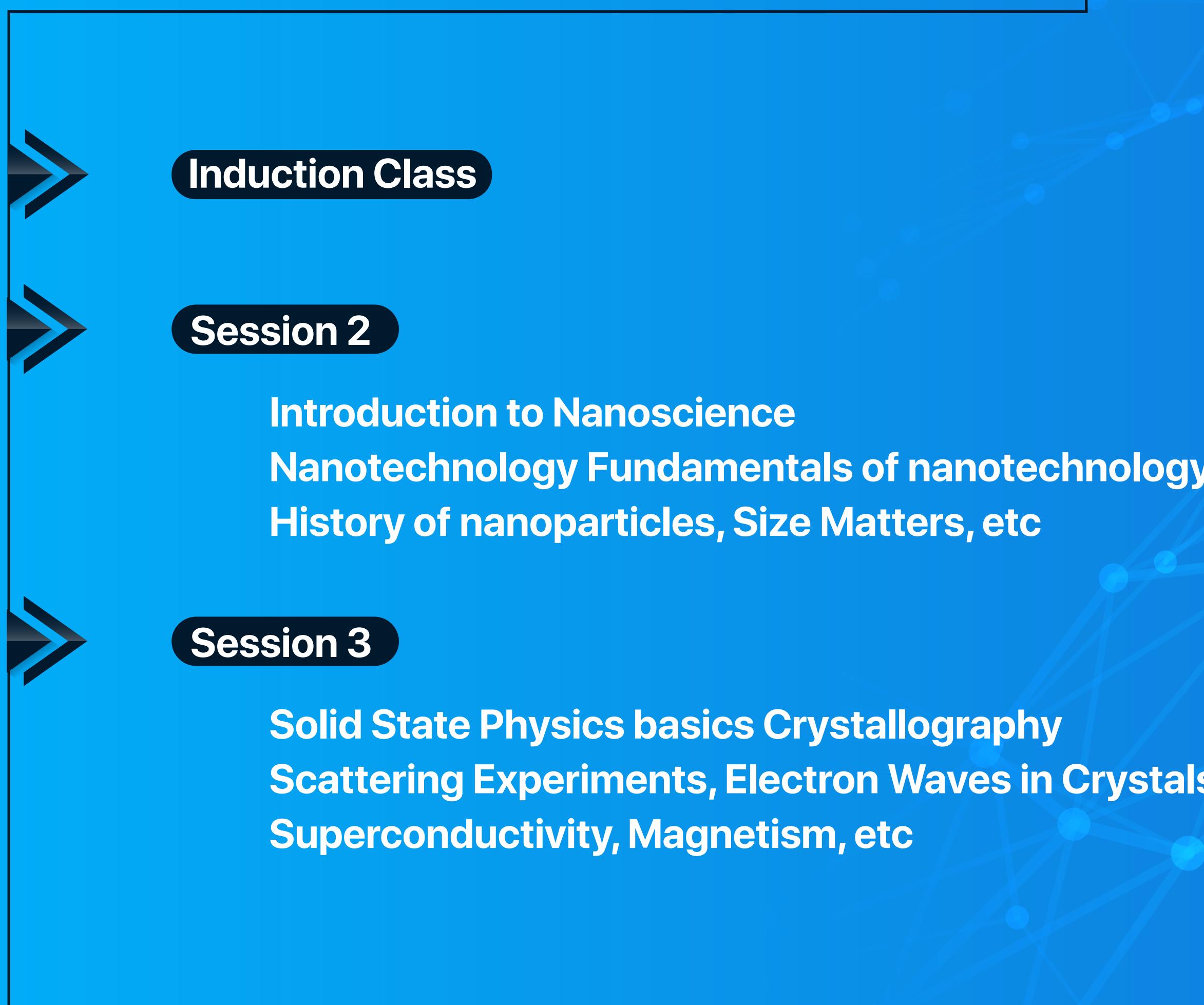


Resume Building



COURSE CURRICULUM

17 SESSIONS



Session 4

Advanced Tools for Nanoscience

Session 5

NanoScale Measurement

Techniques The ability to measure, image & characterize objects on the nanoscale is fundamental to all aspects of your training and research. This module will cover concepts in Light and Electron Microscopy, Scanning Probe Microscopy, Optical Spectroscopy and diffraction based techniques

Session 6

Nano Materials

This module will cover the fundamental aspects of nanomaterials Properties of materials on the nanoscale are inherently linked to their size and organization and you will learn about how size, surface area and forces on the nanoscale can give rise to a rich variety of different materials





Session 7

Nanomaterials Synthesis

This module also will allow you to investigate the factors that affect the assembly of nanoscale templates and precursors and the formation of mesoporous materials. You will develop awareness of a range of mesoporous materials, their properties and their uses and applications



Session 8

Nano biomaterials Part 1

Nano biomaterials is a multidisciplinary scientific area which, as the name implies, draws on Nanoscience, Biology and Materials Science. It is a rapidly growing field of research which is generating intensive interest from industry; applications range from biomedical implant surfaces and materials, tissue engineering, drug and gene delivery and encapsulation.

Areas covered in this course will include the principles of self assembly in biology; how we can use Inspiration from the natural world to design and build nanoscale materials, and real-life applications at the interface between nanotechnology and clinical applications



Session 9

Nano biomaterials Part 2

Nano biomaterials is a multidisciplinary scientific area which, as the name implies, draws on Nanoscience, Biology and Materials Science. It is a rapidly growing field of research which is generating intensive interest from industry; applications range from biomedical implant surfaces and materials, tissue engineering, drug and gene delivery and encapsulation. Areas covered in this course will include the principles of self-assembly in biology; how we can use inspiration from the natural world to design and build nanoscale materials, and real-life applications at the interface between nanotechnology and clinical applications

Session 10

Nanotoxicology

Nanotoxicology is concerned with the toxicity of nanoscale materials and objects.

Nanoscale materials have unique properties because of their size; their ability to cross cellular and tissue barriers; their surface roughness, and their surface area/volume ratio, all of which lead to significantly higher chemical and biological activity.

This course will cover: (1) how nanoparticles enter the body



Session 11

Micro/Nano electromechanical Systems - Introduction

Session 12

Nanofabrication Techniques - Part 1

Once material properties are understood and we have ways of characterizing these materials, how we use and process what we make is critical if we are to truly exploit the functionality of objects on the nanoscale. This module will discuss the engineering

Session 13

Semiconductors





Session 14

Devices Physics

This module will discuss the engineering aspects of semiconductor nanomaterials and provide background into device fabrication



Session 15

Nano - Optics: Theory & Practice



Session 16

Quantum Science

Introduction Cryogenics, Superposition

Quantum Entanglement, Quantum Interference



Support

Tricks & Tips to clear interview questions

Most preferred interview questions

Resume preparation & Cover

Career Counselling

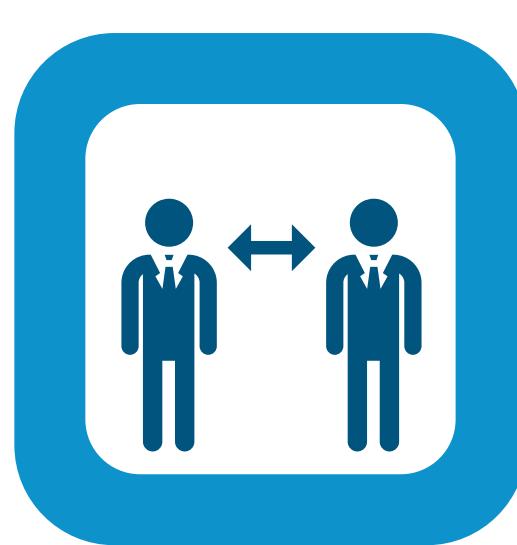
- Expert counseling is a specific consultation service that helps people in making perfect career choices by using their skills and abilities.
- With Teachnook career counseling you will be able to explore various opportunities you have never thought about and you will be given complete guidance in the below mentioned areas.



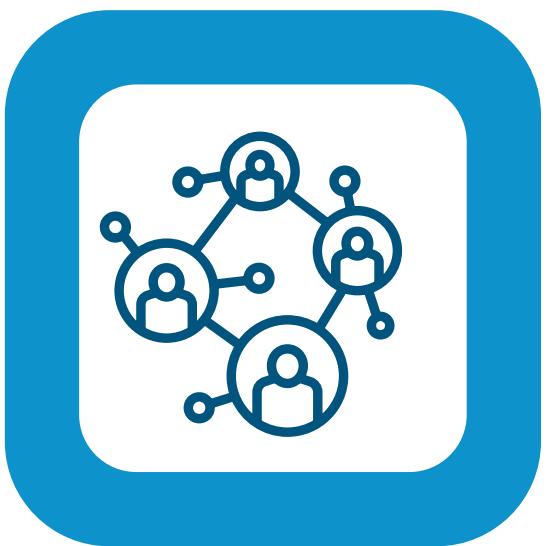
Personalised support



1:1 career counselling to help land your dream job



Get counselled by industry experts



Networking opportunities

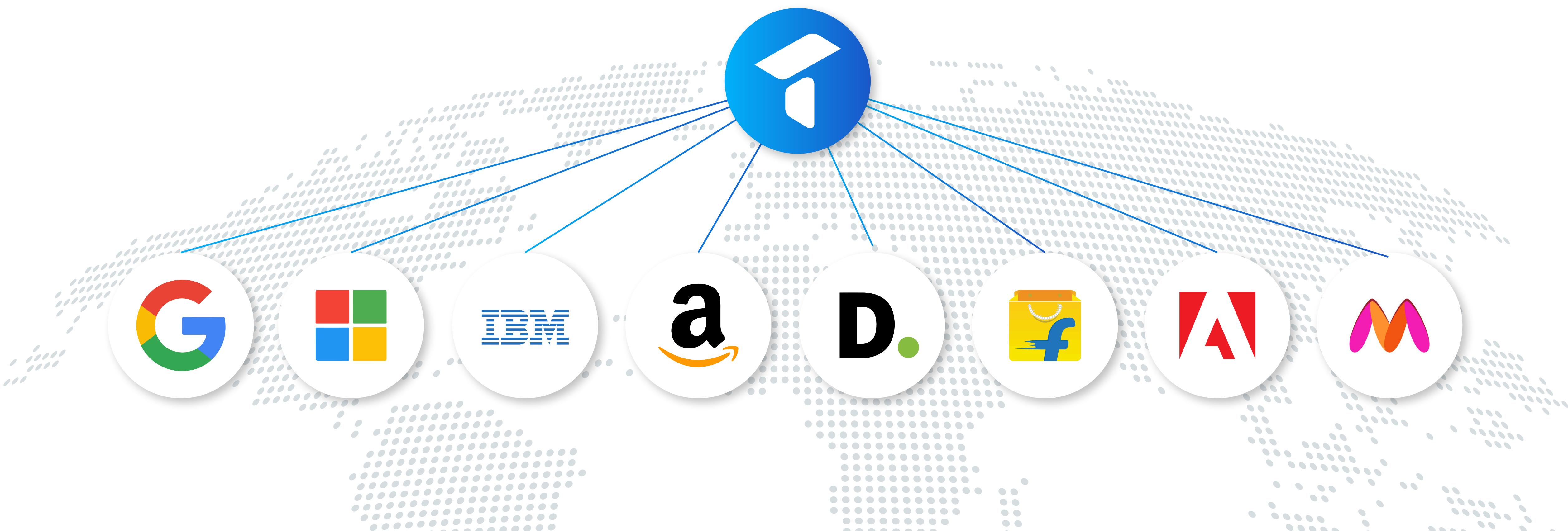


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