

Empower Excel Elevate

10 Weeks Program in
NANO TECHNOLOGY

Integrated with Top Experts with MNCs

ABOUT US

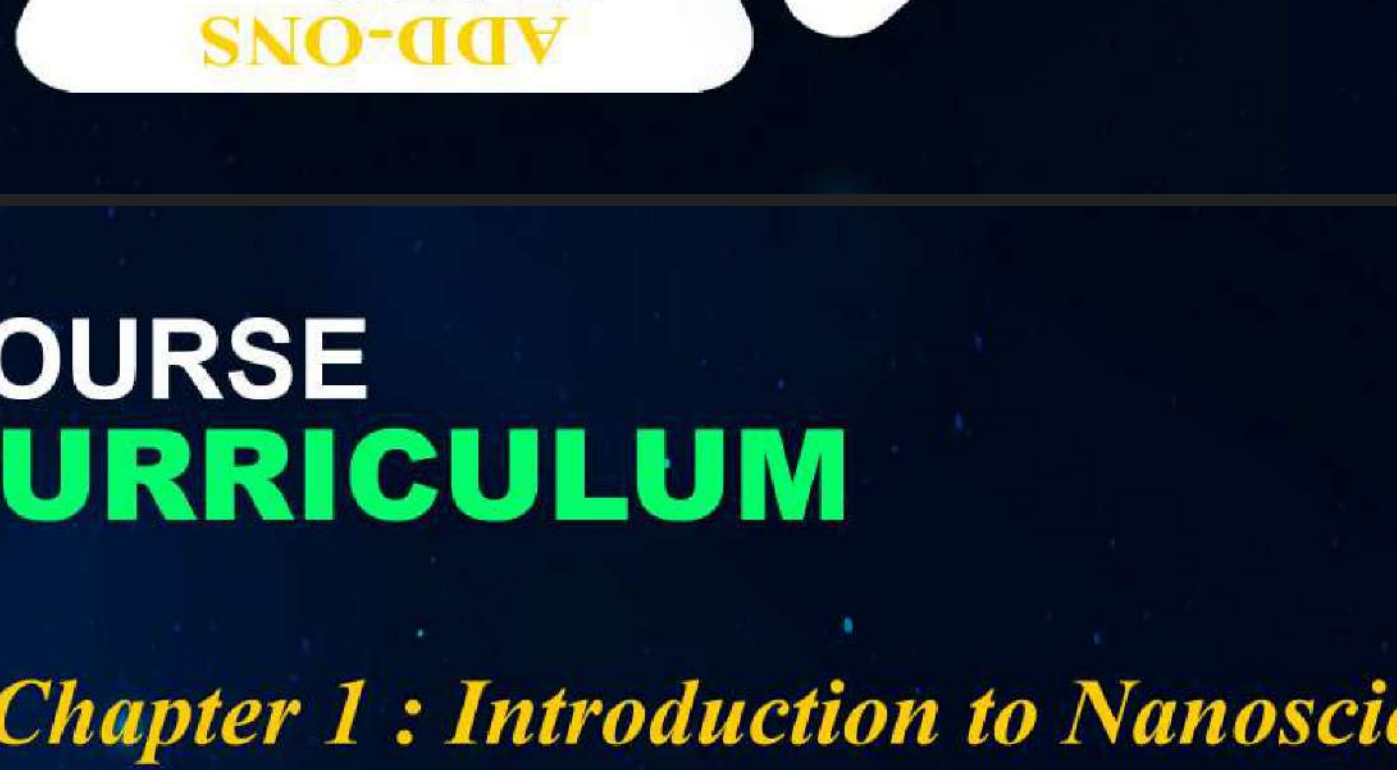
An Idea of learning and upskilling every single day for the hope of a better tomorrow.

LearnFlu is nothing but an Idea. An Idea of learning and upskilling every single day for the hope of a better tomorrow. LearnFlu is also a disease, which every being alive wishes to have. A disease of learning something new and interesting for the growth they desire

SUCCESS



WE OFFER



PROGRAM HIGHLIGHTS

WHY THIS PROGRAM IS YOUR BEST CHOICE

1 LIVE INTERACTIVE SESSIONS WITH INDUSTRY EXPERTS

2 MENTOR-DRIVEN SPRINT-BASED REAL-WORLD TEAM PROJECTS

3 LIVE MENTORSHIP

4 PERSONALISED MENTORSHIP AND CAREER GUIDANCE

5 CAREER ASSISTANCE

6 DOUBLE CERTIFICATION & CREDIT REPORT

7 PLACEMENT ASSISTANCE

COURSE CURRICULUM

Chapter 1 : Introduction to Nanoscience and Nanotechnology

- Introduction to Nanoscience
- Introduction to Nanotechnology
- Fundamentals of Nanotechnology
- History of nanoparticles, Size Matters, etc.,

Chapter 2 : Solid State Physics basics

- Solid State Physics basics Crystallography
- Solid State Physics basics Scattering
- Electron Waves in Crystals
- Electron Waves in Superconductivity, Magnetism, etc.,

Chapter 3 : Advanced Tools for Nanoscience

- Tools used for Nanoscience
- Nanoscale Measurement Techniques
- Light and Electron Microscopy, Scanning
- Probe Microscopy, Optical Spectroscopy
- Diffraction-based techniques"

Chapter 4 : Nano Materials, Nanomaterials Synthesis & Nano biomaterials

- Fundamental aspects of nanomaterials
- Properties of materials on the nanoscale
- Surface area and forces on the nanoscale
- The factors that affect the assembly of nanoscale templates
- Awareness of a range of mesoporous materials
- Surfaces and materials, tissue engineering, drug and gene delivery

Chapter 5 : Nano biomaterials Part2 & Nanotoxicology

- Principles of self-assembly in biology
- Natural world to design and build nanoscale materials
- Nanotechnology and clinical applications.
- Nano biomaterials is a multidisciplinary scientific area
- Toxicity of nanoscale materials and objects
- various classes of nanoparticles and materials and their effects

Chapter 6 : Micro/Nano electromechanical Systems- Introduction

- Properties of Nanofabrication Techniques
- Objects on the nanoscale
- Aspects of nanomaterials
- Background device fabrication.

Chapter 7 : Semiconductors & Devices Physics

- Engineering aspects of semiconductor
- Engineering aspects of nanomaterials
- Devices Physics modules
- Background into device fabrication

Chapter 8 : Nano - Optics: Theory & Practice

- Quantum Science - Introduction
- Cryogenics, Superposition, Quantum
- Entanglement, Quantum Interference.

Jobs you can apply

♦ Nanotechnology Research Scientist , ₹2.5 – ₹6 LPA

♦ Materials Scientist / Engineer , ₹5 – ₹10 LPA

♦ Process Engineer (Nano Fabrication) , ₹6 – ₹14 LPA

♦ Biomedical Nanotech Engineer , ₹5 – ₹10 LPA

♦ Nanoelectronics Engineer , ₹7 – ₹15 LPA

♦ Nanochemist / Polymer Scientist , ₹5 – ₹9 LPA

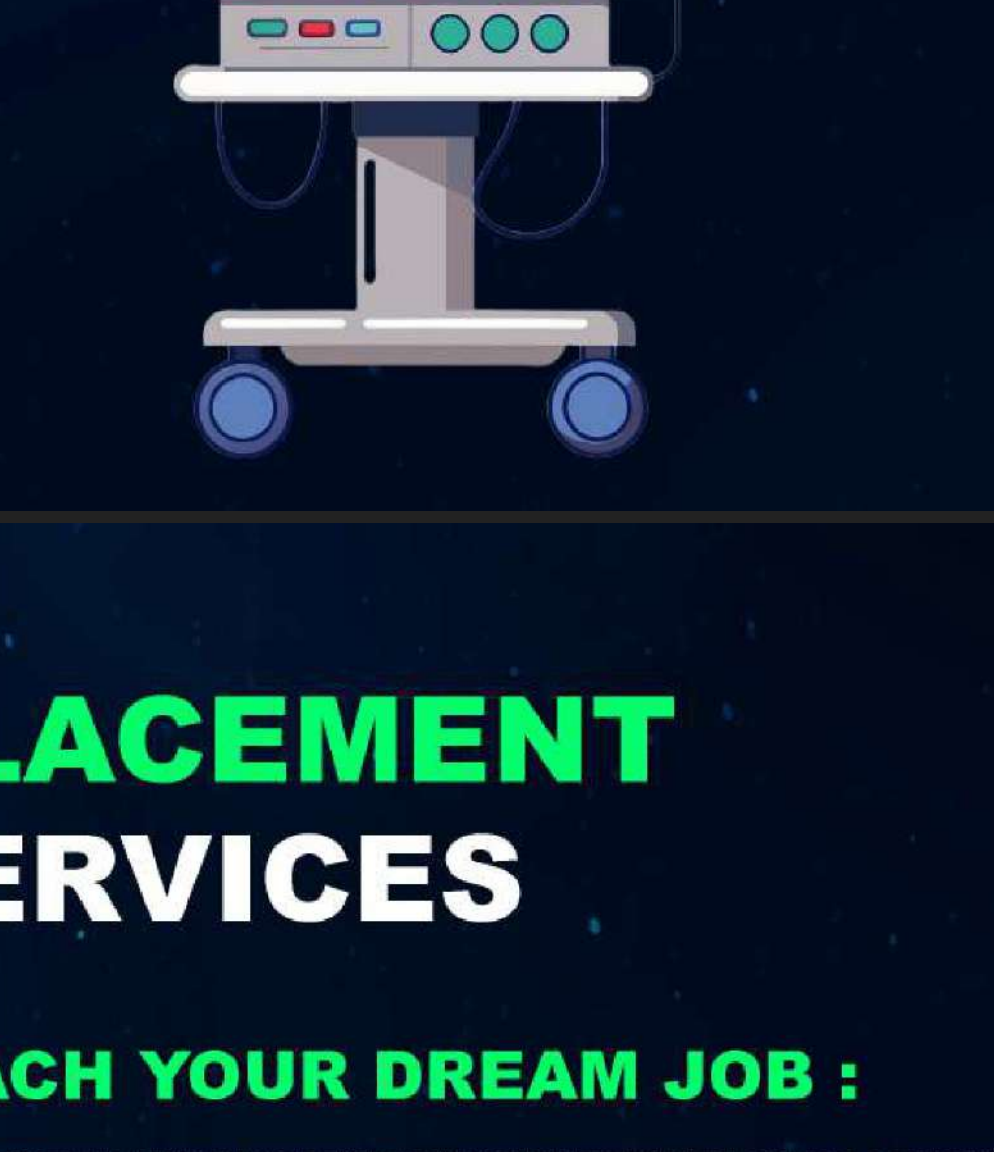
Projects

♦ Nanoparticles for Targeted Drug Delivery

♦ Nano-enabled Solar Cells (Perovskite / Quantum Dot Solar Cells)

♦ Carbon Nanotubes (CNTs) for Supercapacitors

TOOL BOX



MEET YOUR MENTOR



K.Vamsi
 Indian Institute of Science (IISc)
 Experience : 5+ years

Meet Vamsi, a seasoned mentor with over 5 years of expertise in his industry. With a proven track record, he has successfully managed a team of 4 professionals, steering them towards excellence. Vamsi leadership has been instrumental in completing over 120 projects, showcasing his proficiency in strategic planning and execution. His wealth of experience, combined with a passion for mentoring, makes Vamsi a valuable guide for those looking to navigate and excel in their respective fields. With a commitment to knowledge-sharing and professional growth, Vamsi is dedicated to fostering success in his mentees

PLACEMENT SERVICES

REACH YOUR DREAM JOB :

AT LEARNFLU, WE ARE DEEPLY COMMITTED TO YOUR LEARNING JOURNEY AND DEDICATED TO YOUR CAREER SUCCESS. OUR COMPREHENSIVE PLACEMENT SERVICES ARE TAILORED TO EQUIP YOU WITH THE SKILLS, CONFIDENCE, AND CONNECTIONS NECESSARY TO SECURE YOUR DREAM TECH JOB

RESUME PREPARATION :

CRAFT A STANDOUT RESUME WITH EXPERT GUIDANCE TO EFFECTIVELY HIGHLIGHT YOUR SKILLS AND EXPERIENCE, ENSURING YOU CATCH THE ATTENTION OF RECRUITERS.

SOFT SKILL PREPARATION :

ELEVATE YOUR COMMUNICATION, TEAMWORK, AND LEADERSHIP ABILITIES WITH ENGAGING LIVE SESSIONS AND CUSTOMIZED FEEDBACK, DESIGNED TO HELP YOU EXCEL IN ANY PROFESSIONAL SETTING

HIRING PARTNERS & CAREER PORTAL :

GAIN ACCESS TO LEADING TECH COMPANIES THROUGH OUR EXTENSIVE NETWORK OF HIRING PARTNERS AND OUR EXCLUSIVE CAREER PORTAL, DESIGNED TO CONNECT YOU WITH YOUR IDEAL JOB OPPORTUNITIES.

MENTORSHIP :

GAIN HANDS-ON EXPERIENCE THROUGH INTERNSHIPS AND MENTORED PROJECTS, EARNING AN INDUSTRY CERTIFICATE

ADDITIONAL SERVICES

Linkedin optimization

Optimizing your LinkedIn profile can greatly enhance your professional online presence and increase your

Career Guidance

Career guidance plays a vital role in helping individuals navigate the complex and often challenging world of work

Career Opportunities

Career opportunities are essential as they provide pathways for personal and professional growth, financial stability, and the fulfillment of individual potential and aspirations.

Hands-on experience

The importance of hands-on experience, especially in the context of professional development and education, is very substantial to land your first job

Personality Development

Personality development is crucial as it enhances overall personal growth, fosters confidence, and improves interpersonal skills, leading to success in both personal and professional life

STUDENTS REVIEWS

Sravan ★★★★★

Very good internship program. My mentors are teaching me more technical stuff. I also recommend my friends to do this internship

Sarvani ★★★★★

His is the best internship and training provider company with 100% job assistance

Aradhya ★★★★★

"Learnflu seamlessly merges education and technology, offering a dynamic platform for immersive learning experiences. With innovative tools and engaging content, Learnflu elevates the educational landscape."

Krishna Yadav ★★★★★

Very good internship program. My mentors are teaching me more technical stuff. I also recommend my friends to do this internship

Dinakaran ★★★★★

Thank you so much learnflu for giving this wonderful opportunity and developed my knowledge

Ayu Koshan ★★★★★

enrolled for web Data Analysis Program for April batch and yesterday was my induction session and Session was so good and the mentor Syed Ahsan have given very insightful information about this Internship and Training Programme and I am very much excited regarding the Program

Priya ★★★★★

This is a very good learning platform which offers students training and internship program

CREDIT VALIDATION REPORT



COURSE COMPLETION CERTIFICATE



OUR ALUMNI WORKS AT



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