Olewin Academy

IIT-JAM Physics (PH)

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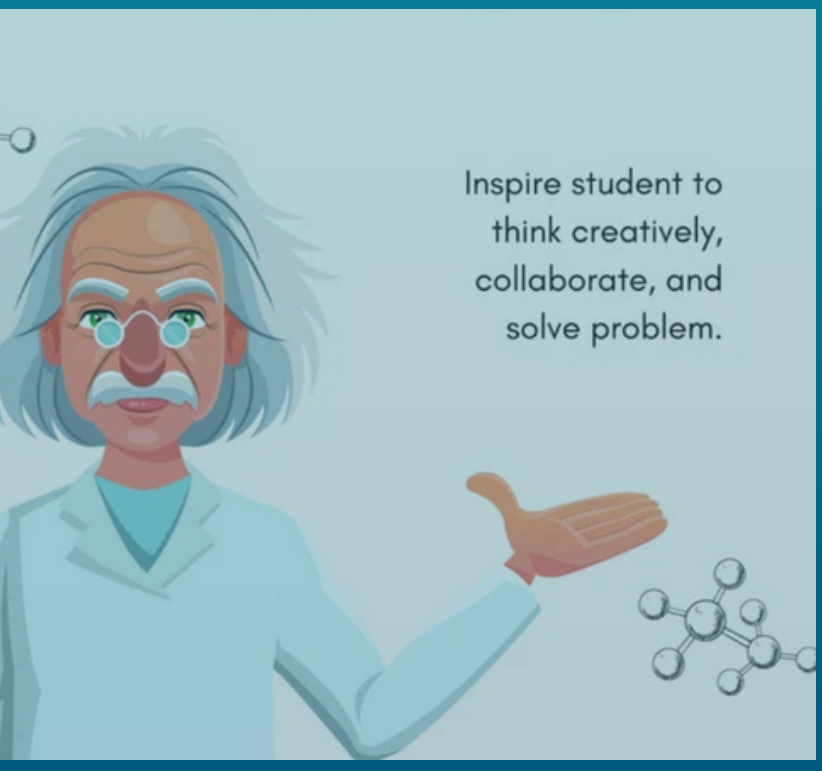

INTERNSHIP

on

Quantum Computing

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Olewin Academy

CRACK JAM | JOIN TOP IITS & IISC | BECOME A QUANTUM LEADER IN PHYSICS & AI

About the Program

THIS FLAGSHIP COACHING COURSE IS DESIGNED FOR STUDENTS PREPARING FOR IIT-JAM PHYSICS, AIMED AT ADMISSION INTO M.SC., M.SC.-PH.D., AND INTEGRATED PH.D. PROGRAMS AT INDIA'S TOP INSTITUTES — IITS, IISC, NITS, IISERS, AND MORE.
BUILT BY TOP IITIANS, NITIANS, AND PHYSICISTS, THE COURSE COVERS THE ENTIRE IIT-JAM PHYSICS SYLLABUS, EMPHASIZES DEEP CONCEPTUAL UNDERSTANDING, PROBLEM-SOLVING, AND PREPARES STUDENTS FOR FUTURE RESEARCH AND AI-INTEGRATED SCIENTIFIC CAREERS.

Program Features

- **100% SYLLABUS COVERAGE**
- **PRACTICE PROBLEMS**
- **WEEKLY TESTS + MOCK EXAMS (JAM PATTERN)**
- **CONCEPT VISUALIZATION + DERIVATION MASTERY**
- **LIVE CLASSES + DOUBT CLEARING**
- **PYQ SOLVED MATERIAL (20+ YEARS)**
- **TOPIC-WISE ASSIGNMENTS**
- **1-ON-1 MENTORSHIP + STRATEGY SESSIONS**
- **ACCESS ON WEB + ANDROID/IOS**
- **CRASH COURSE + FINAL REVISION PLAN**

Ideal Candidates

- **B.SC. PHYSICS, APPLIED PHYSICS, PHYSICAL SCIENCES STUDENTS**
- **STUDENTS IN 2ND OR 3RD YEAR AIMING FOR M.SC./M.TECH/PH.D. IN PHYSICS**
- **ASPIRANTS OF IITS, IISC, IISERS, NITS, BITS, JNU, AND INTERNATIONAL RESEARCH PROGRAMS**
- **STUDENTS PREPARING FOR CAREERS IN QUANTUM COMPUTING, ASTROPHYSICS, DATA SCIENCE, AI & R&D**

Phase	Duration	Coverage
Phase 1	May–Aug	Mechanics, Waves, Optics, Mathematical Physics
Phase 2	Sep–Nov	E&M, Thermodynamics, Modern Physics
Phase 3	Dec –Jan	Quantum Mechanics, Solid State Physics, Devices
Phase 4	Feb	Full-Length Tests + Crash Course

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Internships

1.Quantum Physics Meets Machine Learning: AI Modeling of Quantum Systems
2. AI-Powered Astrophysics: Galaxy Classification & Cosmic Data Analysis
3. Electromagnetic Simulation with Neural Networks for Device Design

- Currently we are developing an Quantum system in the field of technology & Energy Sectors.Students who are open to contribute on our project will be awarded

Objective:

- Career Paths After JAM Physics + AI Integration
- Quantum Computing
- Machine Learning & Deep Learning for Physics
- Scientific R&D in Govt Labs (BARC, ISRO, DRDO)
- Computational Physics & Simulations
- Advanced AI Research in Physics and Astronomy
- Teaching/Ph.D. at Global Institutions

Skills:

- Machine Learning, Time Series Analysis, Data Science, Python
- .Multivariate Analysis, Python/R, Data Science.
- Bayesian Statistics,Statistical Analysis.

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WHAT SHOULD YOU EXPECT FROM THIS PROGRAM....?

- Recognized Certification
- Real-World Application Development
- Job-Ready Technical Training
- Placement & Job/Career Support

COMPANY/ACADEMY LOGO

LETTER OF INTERNSHIP

Letter to: student Name

Date: XX/XX/XXXX

To Whom It May Concern:

This letter is to formally acknowledge that **Student Name** has successfully completed a six-month (or nine-month) internship program under the guidance of Olewin Academy, in collaboration with leading companies in the geoscience and energy sectors.
Throughout the internship, HE/She demonstrated a strong commitment to professional growth by working on real-world projects involving AI-driven geosciences, spatial data analysis, energy innovation, and environmental intelligence. The training covered advanced modules in data analytics, remote sensing, geological mapping, and application development using cutting-edge technologies. The hands-on experience was designed to simulate industry-grade challenges and align with the current demands of multinational companies and research institutions.
He/She exhibited remarkable analytical thinking, adaptability, and technical expertise during the program, and actively participated in collaborative assignments, reviews, and project submissions. This internship has provided them with a strong foundation in domain-specific problem solving and technical implementation relevant to the fields of Geology, Geophysics, AI in Geosciences, and Renewable Energy.
We congratulate He/She on the successful completion of this internship and wish them the very best in their future endeavors.

Best Regards,
Signature
Authorised Digital Signature

Logo of Company

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2 -Certifications based on Real-world Projects & Internships (Paid & UnPaid)

- Official Internship Endorsement
- Project-Based Experience
- Industry-Aligned Exposure
- Skill Application Proof
- Career Advancement Credential

Projects you work on:-

USE AI ALGORITHMS TO SIMULATE QUANTUM PARTICLE BEHAVIOR, SCHRÖDINGER SOLVERS, AND QUANTUM STATES TO BUILD AND SYSTEM AT QUANTUM LEVEL TO SOLVE COMPLEX PROBLEMS

SKILLS: QUANTUM MECHANICS, TENSORFLOW/PYTORCH, VARIATIONAL CIRCUITS, QISKIT, NUMPY. PYTHON, C++, RUST OTHER TECHNICAL TOOLS

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COMPANY PROFILE

Olewin Academy

AN IIT ALUMNUS PLATFORM

Empowering learners globally with quality education and training content for new approach to learning paradigms

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Thank you for choosing our Platform