

Career Compass

December 2024



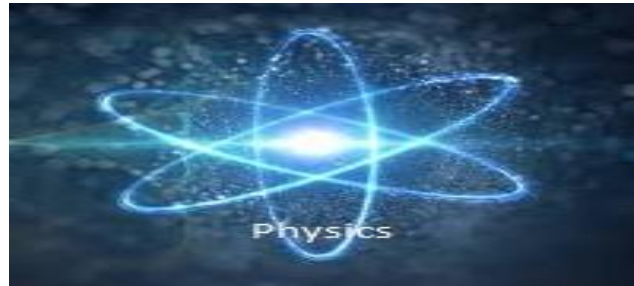
"Navigating Future Pathways: IR ■ Physics ■ Fintech"

From The Desk of The Director Principal – " As we close 2024, I'm pleased to present this special edition focusing on emerging career opportunities. The fields highlighted here – International Relations, Quantum and Nuclear Physics, and Financial Technology – represent exciting pathways for our students. These diverse options exemplify how traditional academic excellence can merge with modern innovation to create meaningful careers. Our school remains committed to supporting your journey toward these promising futures."



From The Vice Principal – " The career landscape of 2024 offers unprecedented opportunities in fields that combine specialized knowledge with adaptable skills. Whether in the diplomatic sphere of International Relations, the cutting-edge world of Physics, or the innovative space of Fintech, each path presents unique possibilities for personal and professional growth. I encourage our students to explore these options thoroughly with our career counseling team."

From The Career Counsellor - I'm excited to share information about three dynamic career paths that offer excellent opportunities for your future. Whether you're drawn to shaping global policies through International Relations, exploring the mysteries of Physics, or innovating in Fintech, each field presents unique possibilities. We are always available to help you explore these options in detail.



"International Relations (IR) is the study of the interactions between nations, including their political, economic, and social relationships, focusing on topics like diplomacy, foreign policy, conflict resolution, globalization, and international law. Opting for the Humanities stream in 12th grade with subjects like Political Science, History, Geography, and Economics provides a strong foundation for IR studies. To pursue it after 12th you need to complete a bachelor's degree in a related field like Political Science, History, Economics, or a specialized program in "International Relations".

Universities offering a Bachelor of Arts (B.A) degree with a specialization in International Relations.
Amity University, Noida, Ashoka University, Shiv Nadar University (SNU), RV University, Symbiosis School of Liberal Arts, Symbiosis International, Pune, SLS, Pandit Deendayal Energy University (PDEU), Chitkara University, Chandigarh, IILM University, Noida International University.

Career paths

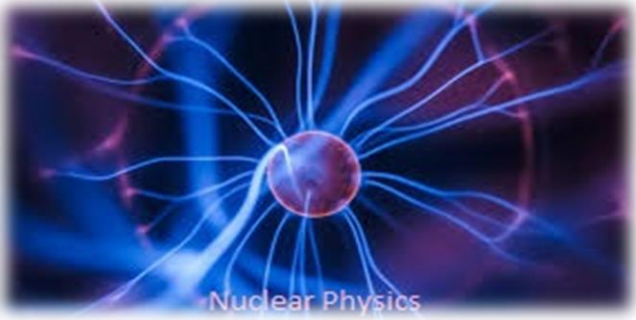
Diplomat in the Indian Foreign Service, Analyst for international organizations, Consultant for multinational corporations, Journalist covering international affairs, Advocacy work with NGOs focused on global issues etc.

For Career Guidance & Counselling Contact: -

nidhi.madura_sajsv@gmail.com / 98109 24688



Quantum Physics



Nuclear Physics

Quantum Physics and Nuclear Physics

To pursue a career in nuclear and quantum physics, you need to follow a structured educational path:

Educational Pathway

1. High School Preparation: Focus on mathematics, physics, and chemistry during your high school years.

2. Bachelor's Degree: Obtain a bachelor's degree in physics or a related field. This degree should cover essential topics such as classical mechanics, electromagnetism, quantum mechanics, and thermodynamics.

Alternatively, you can pursue a BTech/BE in engineering disciplines like Electrical, Electronics, or Mechanical Engineering, which can lead to further studies in nuclear physics.

3. Master's Degree: After completing your undergraduate studies, pursue a master's degree in Nuclear Physics or Quantum Physics. This typically takes two years and provides deeper insights into specialized areas.

Some institutes offer integrated BS-MS programs that span five years, which can be beneficial for a more comprehensive education. Multiple Colleges under Delhi University offer BSc Physics (H) and Private Universities like Amity, Ashoka, KR Mangalam etc.

Career Opportunities

Nuclear physicists can find opportunities in various sectors including energy (nuclear power), healthcare (nuclear medicine), defense (nuclear weapons), academia (teaching and research), and industry (quantum technologies).

Quantum physicists may work on cutting-edge technologies like quantum computing and telecommunications.



What is Fintech?

Fintech, or Financial Technology, involves the innovative use of technology to create and deliver financial services and products. This includes everything from mobile banking and investment apps to cryptocurrency and blockchain.

As a rapidly evolving sector at the crossroads of finance and technology, Fintech offers diverse career opportunities for professionals with various skills. To succeed in this field, it's essential to have a solid understanding of both finance and technology, stay updated on industry trends, build relevant skills, and actively network.

The rise of Fintech is driven by the increasing demand for efficient, accessible, and user-friendly financial services in our digital world.

Types of Fintech Careers

The Fintech industry offers diverse career opportunities, blending finance, technology, and innovation. Some key roles in this sector include financial analysts, data analysts, data scientists, product managers, and business development managers.

Educational Background and Certifications Required for Careers in Fintech.

Bachelor's degree in finance, Economics, Computer Science, Mathematics, or related fields master's degree in financial engineering, Data Science, or Business Administration (MBA) with a focus on Finance or Technology.

In addition to formal education, several certifications can enhance your knowledge and credentials in the Fintech industry: Chartered Financial Analyst (CFA), Fintech Industry Professional (FTIP), Financial Risk Manager (FRM): Certified Information Systems Security Professional (CISSP): Certified Financial Technologist (CFT): AWS Certified Solutions Architect or Google Cloud Professional Cloud Architect: Project Management Professional (PMP)

EVENTS IN DECEMBER 2024

Community service - Spreading Warmth and Kindness: A Remarkable Initiative by Grade 11 Students!

In just one week, our Grade 11 students transformed a simple idea into a touching reality. What began as a blanket drive on December 13th blossomed into something truly special – bringing warmth and comfort to 150 students at our adopted school during the chilly winter months.

But this wasn't just about dropping off donations. Our students made the experience personal, taking the time to visit and hand-deliver each blanket themselves. The joy on everyone's faces during the distribution was a powerful reminder of how simple acts of kindness can create meaningful connections between communities. The speed and success of this initiative – from fundraising to final distribution in just seven days speaks volumes about the compassion and drive of our school community.



On 7th December our Career Counseling Department partnered with **Eduguide Global** to host an informative session on studying abroad. Students gained valuable insights into international education opportunities, application processes, and scholarship options across various countries like UK, Italy, USA, Canada and Australia. The interactive session covered practical aspects of overseas education, from admission requirements to cultural adaptation and living costs.

The session emphasized the importance of early preparation, highlighting how students can strengthen their applications through academic excellence, extracurricular activities, and language proficiency. They also provided practical tips for crafting compelling personal statements