Jewellery Design and Gemology

Gems and Jewellery sector forms an integral part of the Indian economy as it forms a major component of the export-led growth. The industry has been growing at a good pace over the last few years. However, the organised sector is also growing. With India standing as a strategic market for gems and jewellery, more and more multinational companies are foraying into the lucrative space. A positive business environment coupled with various incentives offered by the Government has further strengthened the country's position as a major destination for gems and jewelleries.

The products in the sector can be categorised as gemstones, jewellery and pearls, which can be further segmented into diamonds, coloured stones (precious, semi-precious and synthetic), studded jewellery, costume jewellery, gold and silver. The highly fragmented sector comprises of more than 500,000 gems and jewellery players across the country. Gold jewellery is the most preferred form of jewellery in demand in India. According to the data released by the World Gold Council (WGC), India is the largest consumer of gold. Exports of gold jewellery from India stood at US$ 441.4 million while the total gems and jewellery exports amounted to US$ 2.49 billion in July 2013, the GJEPC reported. Silver jewellery exports increased by 184 per cent to US$ 109.69 million Gems and Jewellery accounted for 17 per cent of the total exports from India in 2012-13.

India is also one of the largest diamond processor in the world. However, the real uniqueness of the Indian craftsmen lies in the fact that they do most of the cutting and polishing manually which sets India apart from its other peers. As the sector is highly labour-intensive, its dependency on craftsmanship is very high. The sector still requires skilled craftsmen to achieve precision in diamond and other gemstone cutting. The Indian gems and jewellery sector employs around 1 million people directly and indirectly. The sector is primarily concentrated in Maharashtra and Gujarat, especially in cities like Mumbai, Surat, Ahmedabad and Rajkot and also in other parts in India such as cities in the south (Coimbatore, Bangalore, Hyderabad, Nellore, Thrissur), West Bengal (Kolkata) and the north (Delhi and Jaipur). India is a member of the Kimberley Process Certification Scheme (KPCS) that promotes conflict-free diamonds and thrives to prevent smuggling and non-standard trade in diamonds.

The government of India has been promoting in setting up of various training institutes to attract quality personnel, to cater to the international market and to focus on constant innovation of globally-acceptable designs. These institutes are aimed at providing the gems and jewellery sector with a well-trained professional workforce that is proficient in all aspects of jewellery design, refining, model making, jewellery manufacturing, CAD / CAM, gemology and diamond grading. The three year course on ‘Gemology and Jewellery Designing’ at the Department of Geology, University of Pune is the outcome of such initiative and aims at imparting and inculcating the required skills among those interested through highly professional trainers encompassing both reputed academic institutes and Industries.

With India standing as a strategic market for gems and jewelleries, more and more multinational companies are foraying into the lucrative space and there is growing demand for educated skilled craftsmen. The present course is aimed at bridging this significant gap and thus provides a good opportunity to those already in this industry and for those freshers who aspire to make career in this sector.

B. VOC IN JEWELERY DESIGN AND GEMOLOGY

YEAR I THEORY

1. Descriptive gemology
2. Computer fundamentals and use of jewel cad
3. Introduction to goldsmithing and metallurgy
4. Different types of gemstones
5. Basics of jewellery designing
6. Casting

YEAR I – SKILLS (PRACTICALS)

1. Use of gem basic instruments
2. Identification of gemstones, distinction between natural and synthetic stones.
3. Basics of design
4. Use of Jewel CAD in designing
5. Soldering, piercing, filing, alloying and wire drawing, portfolio making, casting, rubber mould, vulcaniser and wax injector, dewaxing

Job Openings after the course

Gemologist, Jewellery Designer, Atrisan, Gem Cutter, Diamond Cutter, Diamond Grader, Faculty of Jewellery Design and Gemology

Industry Associates :

1. Creations-The school of Designing and Technology
2. Lagu Bandhu Motiwale Pvt. Ltd
3. J. K. Diamond Institute of Gems and Jewellery
4. Indian Diamond Institute
5. Gemological Institute of India,
6. Gemological Institute of America