



## *Prospectus*



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### About Us

*The **International Gemology Association (IGA)**, is an approached worldwide organization specifically formed to benefit the Gemological industry.*

*It has a concept of worldwide network to develop a common language for promotion and consistent standards necessary to improve international communication.*

***IGA** provides direct access to the source for Gemstones and related information. **IGA** has given our industry just such an environment and the Association has worked diligently to accomplish its objectives:*

- ☐ *TO PROVIDE GEMOLOGICAL TRAINING*
- ☐ *TO ADDRESS TECHNICAL AND PROMOTIONAL ISSUES RELATED TO THE INDUSTRY.*
- ☐ *TO RESEARCH FOR SCIENTIFIC SOLUTIONS TO PROBLEMS INVOLVING PRECIOUS STONES.*
- ☐ *TO ESTABLISH INTERNATIONAL COMMUNICATION BETWEEN THE RESEARCHERS, PROFESSIONALS & TRADERS.*
- ☐ *TO WORK WITH RELATED ORGANIZATIONS TO STANDARDIZE RULES AND NOMENCLATURE.*
- ☐ *TO PUBLISH JOURNALS THAT INCLUDES ORIGINAL RESEARCH AND MINING, LAPIDARY, MARKETING AND PROMOTION.*
- ☐ *TO MAINTAIN AND PERPETUATE ETHICAL STANDARDS AMONG MEMBERS.*
- ☐ *TO BE THE AUTHORITY TO THE WORLD ON ANY SUBJECT INVOLVING COLORED GEMSTONES.*

*Gemstones and Diamonds are an important part of world culture. Since time immemorial, people have coveted both precious and semi-precious stones such as diamonds, sapphires, emeralds, rubies and the like for their astrological significance. Gemstones were also looked upon as symbols of power and prosperity. Day by day the utility of these precious stones goes high and high.*

*The technology of finding gemstones, grading and evaluating them and processing them for the end user has changed radically. Gemology, the science of the study of gemstones, has emerged as a new line of study and as a new career path for job seekers. It is also very useful for traders, suppliers and end-users.*

*Now-a-days everyone seeks quality assurance and the gems industry is no different. The owners want to possess the best of gems to showcase it to their prospective buyers or retailers. The retailers on their part want to give the best to the customers and outdo other competitors. Finally, the end-user also wants genuine and high quality gems and gem encrusted jewellery for personal use.*

### **Scope of Course in Industries**

1. Mining industry
2. Jewellery making and designing units
3. Jewellery shops and showrooms
4. Gem exporting organizations
5. Manufacturers producing Gemological instruments and gem cutting and polishing tools
6. Units specializing in the cutting and polishing of gemstones
7. Top notch goldsmiths
8. Various gem evaluation and testing laboratories
9. Gemstone and precious metal grading and quality certifying agencies
10. Industries manufacturing synthetic or artificial gems
11. Antique and art auction houses

### **Job Prospects**

*The job prospects for a Gemologist are plenty. You can look for employment in a wide variety of places. You can enter the mining or the gem exporting industry. Then there is the scope to work in the jewellery designing and jewellery retailing business. You can also find ample of opportunities in industrial units specializing in gem cutting and polishing and treatment of rough gems. In fact, the diamond polishing industry in India is one of the largest foreign exchange earning sectors in the country. Other options include opportunities in gem and precious metal evaluating and testing laboratories and gem certifying bodies. Furthermore, you can look for a job in units producing gemological tools and instruments and those manufacturing artificially created gemstones. Last but not the least you can take up a teaching assignment in any of the institutions offering courses in gemology or even set up your own independent unit.*

### **Our Regular Courses**

1. **DIPLOMA IN GEMOLOGY (NAVRATNA IDENTIFICATION) [DIG]**
2. **DIPLOMA IN DIAMOND GRADING [DDG]**

*Our Courses provide detailed and elaborated information regarding the identification of different gemstones. Also, some of these short term courses are: **Gem Identification Certificate course, Diamond Grading Certificate course**. The curriculum of these programs incorporates the study of various techniques and instruments that are used in the gemological industry. These courses also provide students with hands on experience on gemological related tools and instruments by way of practical tests.*

## Courses We Offer

### Course - 1 : Diploma in Gemology (Navratna Identification) (DIG)

Duration : 6 Months

Fee:

- Gemology - Historical background
- Origin, Mining, Occurrence, Major gemstones deposit in the world.
- Crystallography, Physical, chemical, optical properties, optical effects, inclusions & characteristics
- Different Instruments (Refractometre, Dichroscope, Polaris cope, Microscope) and its principles, constructions, limitations
- Sapphire - Occurrence, properties & simulants along with their identification technique
- Beryl - Occurrence, properties & simulants along with their identification technique
- Diamond- Occurrence, properties & simulants including Moissanite & CZ's along with their identification techniques
- Garnet Group - Occurrence, properties & simulants along with their identification technique
- Pearl & coral - Occurrence, properties & simulants along with their identification technique
- Cat's eye - Occurrence, properties & simulants along with their identification technique
- Quartz group - Occurrence, properties & simulants along with their identification technique. •
- Synthetic Gemstones, treatment of gemstones & methods of detection
- Use of Gemstones in Astrology.





## Course - 2 : Diploma in Diamond Grading (DDG)

Duration : 6 Months

Fee :

- **Diamond:** Historical Back ground. Origin, Mining, Occurrence, Major Diamond Deposits of the world, Famous Diamonds
- Crystallography, Physical, Chemical, Optical Properties, Inclusions and Characteristics
- Importance of 4Cs (Cut, Color, Clarity & Carat)  
**Cut:** round brilliant and its facets, development of the brilliant cut, forms of diamond cuts, types of brilliant cut, modified brilliant & fancy cuts. Symmetry, proportion, comprehensive evaluation  
**Color:** color grades - origin , color grading systems  
**Clarity:** clarity grades - origin, clarity grading systems, external and internal features using 10x and microscope  
**Carat:** weight estimation of round brilliant cut
- Diamond and its simulants including synthetic moissanite and synthetic cubic zirconia's along with their identification techniques
- Diamond synthesis, treatment of diamond & the methods of detection / identification
- Jewellery grading / appraisal
- Handling of microscope and different trade machines
- Optical properties + practical grading as per international standards
- 4C's and its effect on price + practical assorting



**Special Notes :**

- ☐ *Students, interested in any course, are informed to contact us on +91 9836282767 or +91 9748229422*
- ☐ *Theoretical and Practical Classes will be arranged as per the schedule decided by the authorities or as per the discussion with the students provided it suits the authorities' decision.*
- ☐ *Venue of classes will be decided by the authorities and students will have to follow that.*
- ☐ *Fee once paid will neither be refundable nor be transferable.*
- ☐ *Minimum 95% of classes should be attained by the students to be eligible for Examination.*
- ☐ *For Distant Students, Study Materials will be provided in soft copies and they will have to submit the assignments and project work for eligible to final exam.*
- ☐ *Every student will have to follow the rules and regulations as per when it will be framed.*

**Contact us at :**

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