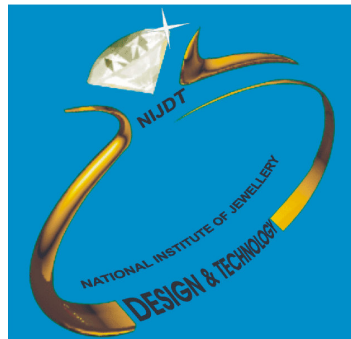


National Institute of Jewellery Design & Technology

In collaboration with *nift*

Promoted by:
Delhi State Industrial & Infrastructure Development Corpn . Ltd.
Govt. Of NCT of Delhi

PROSPECTUS



DITE Building, Sri Maa Anandmayee Marg,
Okhla Ph-II, New Delhi-110020
Tele: 26387941/3575, Tele Fax 26383034
www.nijdt.in, feedback@nijdt.in

Price Rs. 200/-

Syllabus for the Diploma in Gemmology

(Duration: 6 months, 5 days a week, 2 hours daily)

No. of Seats: - 15

Course Fee: - 25,000/-

The training course covers theoretical and practical aspects of diamond identification, diamond grading and other related aspects. Emphasis is given on quick sight methods for the identification of cut diamonds and its grading for cut, color, clarity etc and its valuation.

Course contents are as under:

1. Formation, types of deposits, sources, extraction, rough shapes, growth marks, and fashioning of diamond.
2. Marketing flow of rough diamonds from mines to sights.
3. Crystalline forms of diamonds, physical properties, types of diamonds.
4. Optical properties, factors affecting beauty of diamond.
5. Sorting of rough diamonds.
6. History of diamond cuts, tolkwosky/Ideal cut, its effect on beauty and weight retention.
7. Color grading of polished stones and equipments required, diamond and fluorescence.
8. Clarity grading of polished stones and equipment required, internal and external characteristics, plotting.
9. Cut grading of polished stones, estimation of proportions of a round brilliant diamond.
10. Fancy cut diamonds and their grading.
11. Weight estimation of round brilliants, fancy cuts, and mounted stones, carat system, sieves and sieve sizes.
12. Fancy colour diamonds, colour treatments and their detection.
13. Treatments for enhancing clarity of diamonds.
14. Valuation procedure for cut & polished diamond.
15. Damage repair and recutting of an old cut.
16. Synthetic diamond.
17. Identification of diamond.
18. Diamond simulants and their detection.
19. Historical Diamonds.
20. **Practicals** – Identification of diamonds and simulants; grading of polished diamonds for Colour, Clarity, Cut; weight estimation etc.
21. Nature of Gemstones
22. Chemical Characters of Gemstones
23. Crystalline Structure of Gemstones
24. Physical Characters of Gemstones
25. Optical Properties of Gemstones

26. Luminescent Properties of Gemstones
27. Internal Feature of Gemstones

28. Mineral Gemstones
29. Organic Gemstones
30. Synthetic Gemstones
31. Gemstones Simulants
32. Gemstones Enhancement
33. Cutting and Polishing of Gemstones
34. Introduction to Grading of Diamonds

**Syllabus for the Certificate Course in
Diamond Identification and Grading**

(Duration: 2½ months, 5 days a week, 2 hours daily)

No. of Seats: - 15

Course Fee: - 12,000/-

The training course covers theoretical and practical aspects of diamond identification, diamond grading and other related aspects. Emphasis is given on quick sight methods for the identification of cut diamonds and its grading for cut, color, clarity etc and its valuation.

Course contents are as under:

- I. Formation, types of deposits, sources, extraction, rough shapes, growth marks, and fashioning of diamond.
- II. Marketing flow of rough diamonds from mines to sights.
- III. Crystalline forms of diamonds, physical properties, types of diamonds.
- IV. Optical properties, factors affecting beauty of diamond.
- V. Sorting of rough diamonds.
- VI. History of diamond cuts, tolkwosky/Ideal cut, its effect on beauty and weight retention.
- VII. Color grading of polished stones and equipments required, diamond and fluorescence.
- VIII. Clarity grading of polished stones and equipment required, internal and external characteristics, plotting.
- IX. Cut grading of polished stones, estimation of proportions of a round brilliant diamond.
- X. Fancy cut diamonds and their grading.
- XI. Weight estimation of round brilliants, fancy cuts, and mounted stones, carat system, sieves and sieve sizes.
- XII. Fancy colour diamonds, colour treatments and their detection.
- XIII. Treatments for enhancing clarity of diamonds.
- XIV. Valuation procedure for cut & polished diamond.

- XV. Damage repair and recutting of an old cut.
- XVI. Synthetic diamond.
- XVII. Identification of diamond.

- XVIII. Diamond simulants and their detection.
XIX. Historical Diamonds.
XX. **Practicals** – Identification of diamonds and simulants; grading of polished diamonds for Colour, Clarity, Cut; weight estimation etc.

**Syllabus for the Certificate Course in
Coloured Gemstone Identification**

(Duration: 3½ months, 5 days a week, 2 hours daily)

No. of Seats: - 15

Course Fee: - 15,000/-

- ◆ Nature of Gemstones
- ◆ Chemical Characters of Gemstones
- ◆ Crystalline Structure of Gemstones
- ◆ Physical Characters of Gemstones
- ◆ Optical Properties of Gemstones
- ◆ Luminescent Properties of Gemstones
- ◆ Internal Feature of Gemstones
- ◆ Mineral Gemstones
- ◆ Organic Gemstones
- ◆ Synthetic Gemstones
- ◆ Gemstones Simulants
- ◆ Gemstones Enhancement
- ◆ Cutting and Polishing of Gemstones
- ◆ Introduction to Grading of Diamonds

**Syllabus for the Certificate Course in
Basic Jewellery Designing**

(Duration: 2 months, 5 days a week, 3 hours daily)

No. of Seats: - 15

Course Fee: - 15,000/-

Course Structure

- ◆ *Basic Drawing and Sketching*
- ◆ *2D & 3D object drawing*
- ◆ *Motif development to make jewellery*
- ◆ *Shading of different geometrical shapes*
- ◆ *Rendering of different metals*
- ◆ *Perspective view of jewellery pieces and presentation.*
- ◆ *Various stone setting types used in jewellery*

NATIONAL INSTITUTE OF JEWELLERY DESIGN & TECHNOLOGY

- ◆ Lectures on metallurgy and manufacturing techniques
- ◆ Theory and designing of Indian traditional jewellery
- ◆ Orthographic projection of basic jewellery products

Syllabus for the Diploma Course in Advance Jewellery Designing

(Duration: 6 months, 5 days a week, 3 hours daily)

No. of Seats: - 15

Course Fee: - 40,000/-

Course Structure

First Semester (Duration 2 Months)

- a) Basic Jewellery Designing
- ◆ Hand Control Exercise
 - ◆ 2D & 3D Object Drawing
 - ◆ Still Life and Perspective View
 - ◆ Shading in Geometrical Shapes
 - ◆ Analytical and Methodical Approach in Motif Development
 - ◆ Theory of Different Types of Design
 - ◆ Rendering in All Kinds of Metals and Different Finishes
 - ◆ Studying Different Cuts and Shapes of Stone
 - ◆ Rendering in Gemstones Both Faceted and Cabachon Cuts
 - ◆ Metallurgy and its Alloys
 - ◆ Various Stone Setting Used in Jewellery
 - ◆ 3D View of Jewellery Piece and Presentation
 - ◆ Various Locks and Hinges
 - ◆ Tips on Caring for precious Jewellery

Second Semester (Duration 3 Months)

- b) Designing Programme.
- ◆ Design Research, Analysis and Adaptation
 - ◆ Design Process
 - ◆ Various Jewellery Manufacturing Methods and Limitation
 - ◆ Mass Production Techniques: - Casting, Stamping, Electroforming
 - ◆ Designing for International and Indian Market
 - ◆ Study of Indian Historical Jewellery
 - ◆ History & Philosophy of Design & Fashion
 - ◆ Designing for Kundan Jewellery
 - ◆ Studying and Designing Client Jewellery
 - ◆ Costing of Jewellery Pieces
 - ◆ Final Theme Based Project.

Third Semester (Duration 1 Month)

- c) Jewel – CAD / CAM

**Training Course For
Jewellery Manufacturing**

(1 Year Diploma, Timing: 10:30 AM – 4:30 PM)

No. of Seats: - 20 per batch

Course Fee: - 60,000/-

Course Structure

FIRST SEMESTER (DURATION 6 MONTH)

1. Basic Jewellery Techniques

- | | |
|------------------|------------------|
| a) Sawing | b) Filling |
| c) Annealing | d) Drilling |
| e) Soldering | f) Reverting |
| g) Pickling | h) Ultrasonic |
| i) Hammering | j) Polishing |
| k) Milling | l) Wire Drawing |
| m) Alloying | n) Lock & hinges |
| o) Stone setting | |

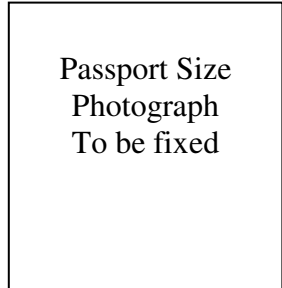
SECOND SEMESTER (DURATION 6 MONTH)

- | | |
|-----------------------|-------------------------------|
| a) Casting | b) Wax carving |
| c) Enamelling | d) Forging, Etching, Inlaying |
| e) Repousse & chasing | f) Stamping |
| g) Reticulation | |

NATIONAL INSTITUTE OF JEWELLERY DESIGN & TECHNOLOGY
APPLICATION FORM FOR ADMISSION

To,

**National Institute of Jewellery Design & Technology
Shrimaa Anandmayee Marg, HTVTC Building,
Okhla Industrial Area, Phase – II, New Delhi - 110 020**



Sir,

I would like to apply for the
..... being conducted by your Institute starting
..... I may please be enrolled for the same. My particulars are as under:-

- 1) Name (in block letters) _____
- 2) Father/Mother/Spouse Name: _____
- 3) Address: _____

- 4) Telephone No. _____ Mobile No _____
Fax No. _____ E-mail _____
- 5) Place and date of birth _____
- 6) Nationality: _____
- 7) Sex: (Male) (Female)
- 8) Marital Status: (Married) (Unmarried) (Divorced)

Contd...2/-

- 9) Educational & technical qualifications (starting from Secondary School Examination/Matric onwards)

<u>Name of Certificate/Degree/Diploma</u>	<u>Institution College/Univ.</u>	<u>Year of Passing</u>	<u>Division</u>	<u>Remarks</u>

- 10) Do you have any experience in the field of gems and jewellery trade/manufacturing? If yes, furnish details separately as Annexure.

- 11) Explain briefly, your objectives for joining the training course

- 12) *Do you wish to avail transport facility from Connaught Place to Institute (NIJDT, Okhla) and back on a nominal payment. .Yes No

- 13) A Cheque/DD No. _____ Dated _____ drawn on _____ in favour of _____ payable at New Delhi is enclosed.

UNDERTAKING

I hereby authorize to intimate my absence to my Parents/Guardians.

Signature of the applicant

Name: _____
(in block letters)

Date: _____

Place: _____

NATIONAL INSTITUTE OF JEWELLERY DESIGN & TECHNOLOGY

RULES AND REGULATION

1. A student must have 90% attendance to qualify for the examination.
2. Weekly test and assignments will be considered for the final exams.
3. Every student is required to hand in homework assignments on the due date.
4. A student will be held responsible for damage to any equipment during training and will have to pay for the same.
5. Students(s) will be held responsible for loss of any stone specimen and will have to pay for the same.
6. Library books will be issued to a student for two days only. If not returned on time, penalty may be levied and no library books may be issued to the student subsequently.
7. Outstation students shall have to make their own arrangement for boarding and lodging.
8. Student is required to appear for the Theory and Practical examinations on the designated date(s) and time as decided by the Institute .However , in case any student is doesn't appear for the examination(s) on specified date due to certain emergency , he/ she should inform the Institute.He /she may be allowed to take the said examination within a maximum period of 3 months after depositing the requisite fee, failing which the student will be considered successful for the purpose of final result .
9. .The final examination will be as follows:
 - Theory exam : 3 hrs each
 - Practical exam: 3 hrs each
 - Viva (orals)
10. Passing percentage in each subject = 55%. (Theory & Practical)
11. Re-examination: Unsuccessful students wishing to appear for re-examination, will have to pay the examination fee of Rs. 1000/-.(Before 3 month of declaration of result)
12. A student re-appearing for examination can join the revision classes for 15 days by paying Rs. 5000/-
13. The decision of lecture-in-charge /examiner is final.
14. No refund of the course fee will be made, unless the candidate informs the Institute in writing before commencement of the course.
15. The Institute reserves the right to reschedule or cancel classes /course.
16. Verification/testing of personal stones, Jewellery etc. are not allowed in the laboratory of the Institute.
17. Smoking and chewing pan gum etc. and use of mobile phone is prohibited in the classroom(s) and laboratory.
18. A sum of Rs.5000/- will be deposited by each student towards security deposit for library books, specimens of gemstones etc. issued for purpose. The security deposit shall be refunded by the Institute to the student on completion of the course, after deducting recovery, if any from the student on the submission on the original receipt.
19. Two recent passport size photographs (one pasted & one attached) are required at the time of admission.
20. Attested copies of Birth Certificates, Qualifications and address proof (copy of EPIC Card/Telephone Bill/Water Bill/ Bank passbook/Mobile Bill etc.) must be attached with the Form.

I have understood the above rules & regulations and I shall abide by the same for the undergoing the Training.

Signature of the Applicant

Name: _____
(in block letters)

Date: _____

Place: _____