

Shri Ram College, Muzaffarnagar
Fine Art department

Project Report
on

Latest Trends in Design of Necklesses


Co-ordinator
Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar



RAMKUMAR JEWELLERS (P) LTD.

Showroom : 10, Bhagat Singh Road, Muzaffarnagar (U.P.)

Ph.: +91-131-2431384, 2634290

e-mail : ramkumarjewellersmzn@gmail.com

2/11

Ref. No. SRC/dm/76

Dated 29.5.2019

To

Dr Roupal Maiik
Head, Department of Fine Arts,
Shri Ram College
Muzaffarnagar

Dear Madam,

Kindly refer to our letter dated 07.05.2019. We are releasing herewith a grant of Rs. 50,000/- for Project on "Latest Trends in Design of Necklaces".

You are requested to acknowledge the same by issuing a receipt of the amount released.

Thanks,


For Ramkumar Jewellers (P) Ltd

(Parag Goel)
Director

CERTIFIED


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Muzaffarnagar

Regd. Office : 107, Nawab Ganj East, Muzaffarnagar (U.P.)

Utilization Certificate

S.N.	Detail of sanction of Fund with Project name and Duration	Amount
1.	365- Day project on Latest Trends in Design of Necklaces, Date of Sanction of Fund- 07-05-2019 as per Sanction Letter	50000.00
	TOTAL	50000.00

It is Certified that out of Rs. 50000.00 (Rs. Fifty Thousand Only) of grants sanctioned by M/s Ramkumar Jewellers (P) Ltd , Muzaffarnagar during the year 2019-20 in favor of Shri Ram College, Muzaffarnagar, a sum of Rs. 50000.00 has been utilized for the purpose of the project for which it was sanctioned and that the balance of Rs. Nil remaining unutilized at the end of the year has been surrendered. The Extra amount (If any) is met out by Shri Ram College.

2. Certified that we have satisfied our self that the conditions on which the grant was sanctioned have been duly fulfilled/are being fulfilled and that we have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercise-

- 1 Checking of cash book
- 2 Checking of payment vouchers.
- 3 Checking of expenses bills.

For Shri Ram College

Secretary

Place: Muzaffarnagar
Date-11-08-2020

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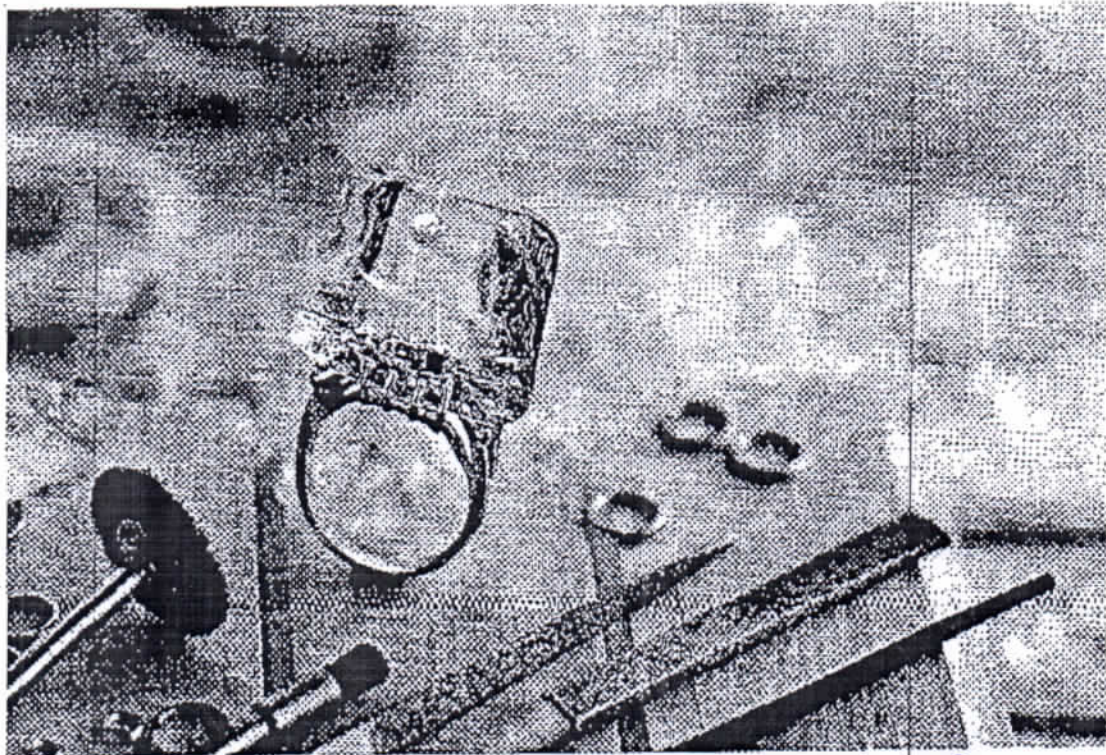
For Goel Rakesh & Co.
Chartered AccountantsRakesh Kumar Goel
ProprietorM. No. 071858
FRN : 003374C


A project work on title "Designing of Necklaces" was performed by the department of fine arts, Shri Ram College, Muzaffarnagar for the organization **Ram Kumar Jewellers Pvt. Ltd., Muzaffarnagar** during the session 2019-20. This work is for betterment of the business by providing more design in Jewelry on the based of market demand or demand of customers.


About the Organization

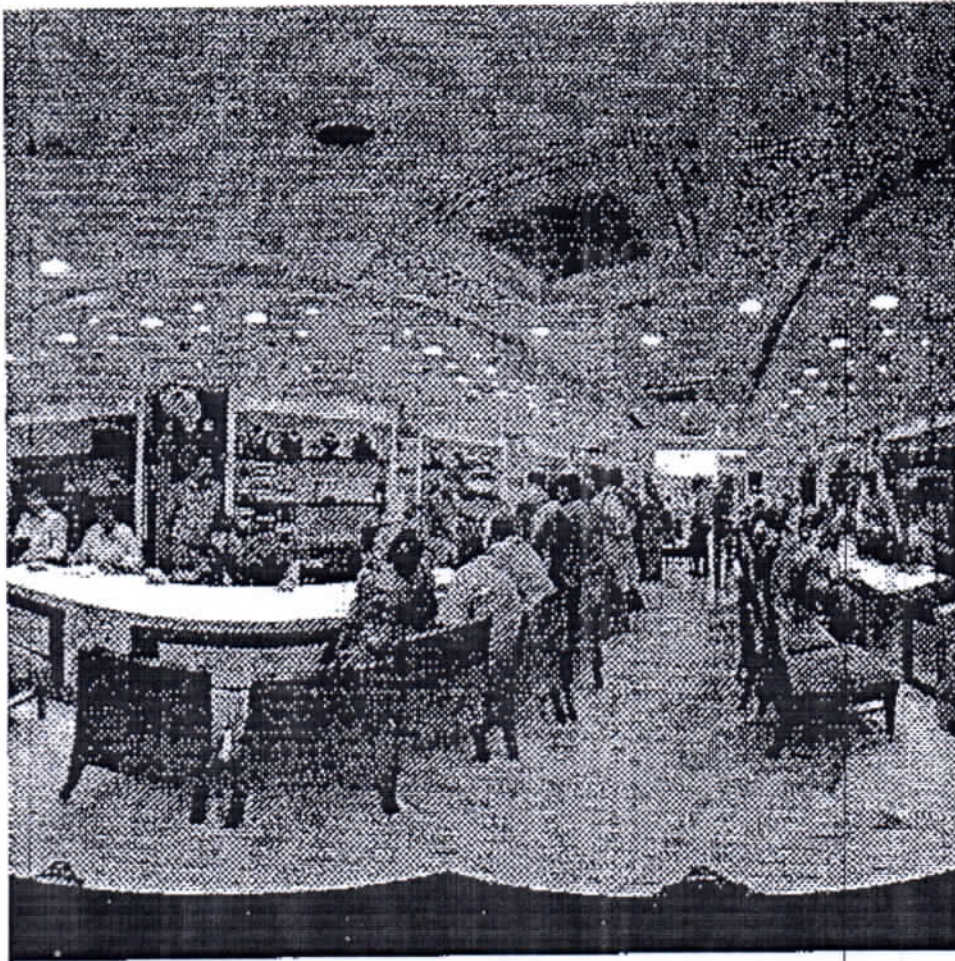
Ramkumar Jewelers Pvt. Ltd. is a renowned manufacturer and supplier of Gold, Silver, Kundan & Diamond Jewelry in Muzaffarnagar. Manufactured from the finest grades of raw material, their range of products is known for its high quality. Owing to the high quality of its products, they are serving many reputed clients. The collection of arts and crafts of India is widely seen in their products, thereby playing an important role in keeping the culture of India alive.

Moreover, these are very strict on the delivery deadline, reasonable price and quality of the products. In addition, they have an efficient workforce team that works in close coordination with the clients to meet their needs and expectations.




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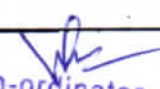

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Scope of Work

In order to smooth functioning and more effectiveness of the system in the Ramkumar Jewellers Pvt. Ltd., Muzaffarnagar, we started the work from the first week of August - 2019 to perform the defined tasks. We performed the specified tasks for the improvement in designing and manufacturing system in the following phases:

Phase 1: Performed the scheduled studied of the existing system of the jewellery industry to understand the processes & procedures and collection of all requirements from the team members of the designing and manufacturing and in this in-depth project, studied at uncovering the creative and technical skills.


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In the first phase, self-study report was prepared from the staff of Ramkumar Jewellers on their working style and management and to know their demands more deeply.

Phase 2: In the second phase, students interacted with the customers of Ramkumar Jewelers and created a data bank, which made it easier for the students to know the direct customer's choice.

Phase 3: Learned and studied about sources for jewellery design inspiration and developing motifs to create jewellery objects.

The students presented their idea in the form of a sketch on paper, which was approved by the jewellery head designer of Ramkumar Jewellers. After analysis, this 2D sketch was converted into a 3-dimensional image with the help of computer-aided design techniques because the CAD software enables the designers to convert their ideas into designs and get an insight into what the jewellery piece will look like. This 3D image gives a complete and thorough view of each part of the final jewellery piece. Once the jewellery head approved the student's designs based on the design aesthetic, it was then moved to the production area. Then, along with Chhalra and Ramkumar's team, they prototyped the jewellery and decided whether the design created was defect free and it was important whether the design was practical to manufacture or not. After that the production team gave the green signal to the students.

4th Phase: After that the students along with their team first made a rubber mold to imitate the perfect piece of jewelry. The students, along with the craftsmen, had to carve out the rubber to get the piece of jewelry out properly. After the mold is turned, liquid hot wax was injected into the rubber mold when the wax cools and hardens, leaving behind a piece of jewelry made entirely of wax. A single rubber mold was used to replicate multiple pieces. Each wax model was placed along with other designs on a cylindrical structure, which resembles a tree. Then an investment (a device used to melt wax) was placed and the wax was melted and replaced with plaster of paris. The liquid metal was then poured into the cast and left to cool for some time. When cooled, the plaster was broken and pieces of jewelry were left in the chosen metal.

In this casting process, students brush and buff the jewelry to remove any rough edges and bring it to life.



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6th Phase: The designs made by the students were hand made in collaboration with the executives of Ramkumar Jewellers and then went through the following process.

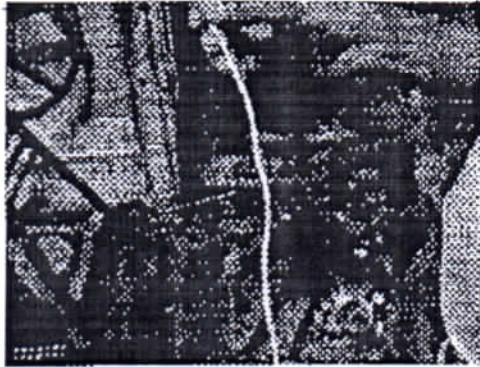
1. The metal, being silver, gold or platinum, was first heated until the metal, which looks like a cube, has shaped or molded and finalized.



2. This then progressed to a process called "baring", this was where a heavy wheel presses the metal under pressure to give it some shape. The bandage stands for both the process as well as the result of the process. Blocks of metal are swung under heavy wheels to form sheets or strings that create the various forms needed to make the entire jewellery piece. During this process, the metal was heated in continuous intervals to increase its ductility. Once the required thickness was reached, it was moved to the craftsmen's table to form a "supti" or base. This sleep usually consists of collets, rings, links, shanks and bands, etc., which at the end hold the gems and are made part of the design.


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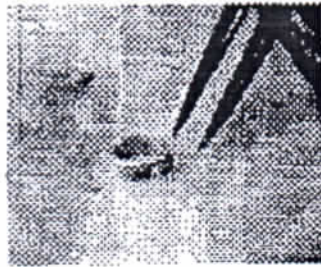


Each of these were soldered together to form the final shape as separate pieces in some designs, when the ornaments were sewn together, they were often encased in a dark waxy material called "maum" which helped to maintain the shape so as to obtain a perfectly symmetrical piece. Once in mold, plaster of paris was added on top. Soldering was then done worry-free to complete homogeneity.

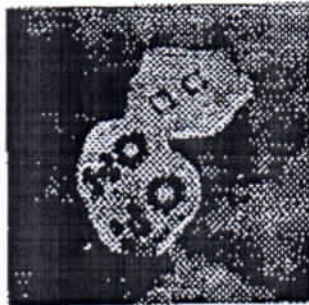



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3. Just like how threading is used to remove unwanted facial hair, In Dora Polish a Dora (thread) used to polish off rough metals & edges at difficult corners where the usual tools cannot be used. Once taken out of the black wax, a "do" polish was done. This polish is done for the small holes or filigree work, which could not be accessed by the large polishing wheel. The jewellery piece was also put in the ultrasonic machine so as to remove any wax that gets stuck in places that cannot be seen and removed by the karigar



4. Ultrasonic cleaning was a cleaning process that used the ultrasound waves to clean dirt, grime and manufacturing residue from the jewellery. These waves were an extremely high frequency which results in something called Cavitation – The sudden creation and collapse of low-pressure bubbles in the liquid. The ultrasound can be used with just water, but the use of a solvent appropriate for the item to be cleaned and the type of soiling present enhances the effect.

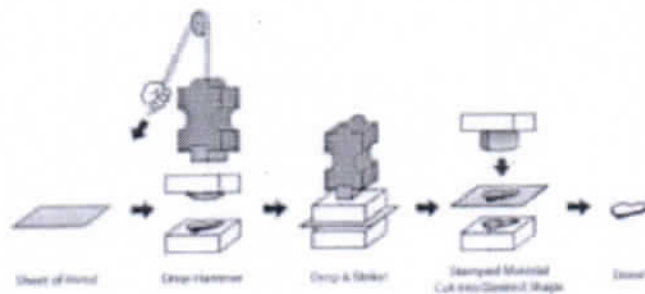

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5. **Die Striking** was one method of making jewellery in which a die made of steel strikes a precious metal sheet, giving it shape. Made of two essential parts the punch and the mould it is perfect for lightweight jewellery for everyday used. The jewellery made through this process was also much more durable because it compresses the metal making it stronger. This method was good for prongs, as they need to be durable. A sheet of the metal was used and the die was then punched out. They can be charms or findings of the jewellery piece that need to be soldered together. These pieces of jewellery also require less finishing as they tend to take on the finish of the die itself. Jewellery made with this process is very wearable.



In the 4th, 5th & 6th phase,

Outcomes:

1. In this project, students shared their new designing skills with the designers and karikar of Ramkumar Jewellers.
2. It also helped in making the packaging simple and attractive to bring the jewellery product closer to their customers.

- Principal Investigator: Dr Roupal Malik, HOD Fine Arts
- Members: Students of fine arts:-

Simran karanwal
Sadaf
Anam Khan
Bharti Malik
Daniya Ansari

[Signature]
Co-ordinator

Shri Ram College,
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[Signature]
Principal

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