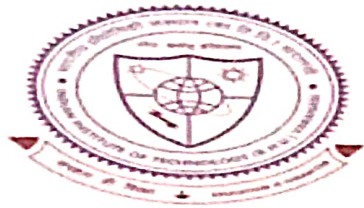


SUMMER INTERNSHIP REPORT-2025



**INDIAN
INSTITUTE OF
TECHNOLOGY**
BANARAS HINDU UNIVERSITY



SUBMITTED TO :-

Dr. Pawan sharama & TNP cell IIT BHU

SUBMITTED BY :-

NAME :- VISHNU CHAUBEY

COURSE & YEAR :- MECHANICAL /(4) YEAR

ROLL NO: - 22039175

COLLEGE :- GURU GHASIDAS VISHWAVIDYALAYA (A CENTRAL UNIVERSITY)

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VISHNU CHAUBEY

(Mechanical engineering)

7 semester

G.G.V Bilaspur Chhattisgarh

(CENTRAL UNIVERSITY)

Jewelry Design in SolidWorks

1. Introduction

Jewelry design has been an integral part of human culture for centuries. From ancient handcrafted ornaments to modern luxury pieces, jewelry has always been associated with personal expression, cultural symbolism, and craftsmanship. In the 21st century, the way jewelry is designed has undergone a remarkable transformation due to the integration of digital tools.

One of the most revolutionary innovations in the jewelry industry is the adoption of **Computer-Aided Design CAD** software. CAD tools not only improve precision and efficiency but also provide new possibilities for creating complex and innovative designs that would otherwise be impossible to manufacture by hand alone.

Among various CAD platforms, **SolidWorks** stands out as a powerful parametric 3D design tool. Originally developed for engineering and product design, it has proven to be equally adept in artistic industries, including jewelry. SolidWorks offers an extensive set of modeling, surface creation, and rendering tools, making it a competitive choice for jewelers aiming for aesthetic beauty and manufacturing precision.

This report explores how SolidWorks can be effectively applied to jewelry design — covering its features, workflows, case studies, benefits, limitations, and industry implications.



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प्रशिक्षण एवं प्रस्थापना प्रकोष्ठ TRAINING AND PLACEMENT CELL

VARANASI-221 005

Phone: (0542) 7165958, 7165959 Website: placement.iitbhu.ac.in E-mail: tpo@iitbhu.ac.in

No.:

3756

TRAINING CERTIFICATE

Name of the Student VISHNU CHAUBEY
Father's Name MOHAN CHAUBEY Mother's Name LILA DEVI
Name of the Institute/College GURU GHASIDAS VISHWAVIDYALYA
Course B.Tech Branch MECHANICAL Semester 7th

Week / Month	Date		Actual working days put in	Remarks	Signature of the Supervisor
	From	To			
1 st	13/05/25	20/05/25	7 DAYS		
2 nd	21/05/25	27/05/25	7 DAYS		
3 rd	28/05/25	03/06/25	7 DAYS		
4 th	04/06/25	10/06/25	7 DAYS		
5 th	11/06/25	17/06/25	7 DAYS		
6 th	18/06/25	24/06/25	7 DAYS		
7 th	25/06/25	01/07/25	7 DAYS		
8 th					

Conduct Satisfactory
Other remarks, if any

Samankh
विभागाध्यक्ष/HEAD
Signature of Head of the Department/
Coordinator of the School
(With Seal) - 01/07/25

02/07/25
Coordinator
Training and Placement Cell
समन्वयक/Coordinator
प्रशिक्षण एवं प्रस्थापना प्रकोष्ठ
Training and Placement Cell
भारतीय प्रौद्योगिकी संस्थान (का हि वि.)
Indian Institute of Technology (BHU)
वाराणसी/Varanasi - 221005