



Value Added Courses Offered

Department: **Mechanical Engineering**

Academic Year: 2024-25

List of Value Added Courses

Sr. No.	Course Code	Name of the Course
01.		MSME CAD/CAE Training Program



एमएसएमई प्रौद्योगिकी केंद्र दुर्ग
MSME TECHNOLOGY CENTRE, DURG
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय, भारत सरकार की सोसायटी
Ministry of Micro Small and Medium Enterprises, Government of India Society



Ref. MSMETC(D)/COMM./2024-25/ 1487

Date:- 31-01-2025

To
The Dean
Mechanical Engineering Department
Guru Ghasidas Vishwavidyalaya
Bilaspur, Chhattisgarh

Subject: Revised Proposal for Conducting 40-Day ESDP Training Programme

Dear Sir/Madam,

Greetings from MSME Technology Centre, Durg. We sincerely appreciate your interest and support in collaborating with us for the Entrepreneurship and Skill Development Programme (ESDP).

Due to the limited number of training programmes available and our commitment to covering multiple institutes with whom MSME Technology Centre Durg has signed MoUs, we regret to inform you that we can now conduct only one training programme at your esteemed institution. However, as we already have an MoU with Guru Ghasidas Vishwavidyalaya and given our prior email communication and commitment, we have specifically reserved this one course for your institution to ensure our collaboration continues effectively.

We kindly request you to select one course from the following options for the 40-day ESDP training:

Proposed Courses: We seek to conduct training in any ^{one} of the following software domains:

1. CAD/CAE
2. ANSYS
3. SolidWorks

Eligibility Criteria:

- Students of Mechanical Engineering or related disciplines.
- Minimum educational qualification: Pursuing or completed a diploma or degree in Mechanical Engineering or allied fields.
- Basic knowledge of computers and engineering drawing is desirable.
- Minimum age: 18 years.

Batch Size and Certification:

- Minimum batch size: 25 candidates per course.
- Maximum batch size: 30 candidates per course.
- Only students with more than 80% attendance shall be provided with a certificate of completion.
- We suggest that the selection of students for the training be based on their current attendance records in their ongoing courses.



Additional Information:

- The course is **completely free**, and students will not be charged any fees for participation.
- The training will be conducted by highly qualified trainers provided by MSME Technology Centre Durg.

Requirements from Your Esteemed Institute: To successfully impart high-quality training, we request the following support:

1. **Lab Facilities:**
 - Availability of computer labs equipped with a projector and systems of adequate specifications to run the selected software efficiently.
2. **Biometric Attendance System:**
 - Provision of one biometric attendance machine for maintaining attendance records of trainees during the training programmes.
 - At the end of the training, we request a hard copy of the attendance records duly signed and sealed by the Head of Department or an appropriate authority.
3. **Food and Accommodation:**
 - We would be highly obliged if food and accommodation arrangements for the trainer could be provided by your institute during the training period.

Benefits to Participants and the Institute:

- **Skill Development:** Participants will gain industry-relevant skills that enhance employability and technical competence.
- **Certification:** Participants will receive a certificate upon successful completion of the programme.

We look forward to your confirmation regarding the selected course so that we can proceed with the necessary arrangements. Kindly note that today is the last day for providing confirmation, as any delay may cause issues in entering the details into the portal.

Additionally, we will make our best efforts to increase the number of training programmes in the upcoming sessions to further strengthen our collaboration and support skill development among students.

Thank you for considering this proposal. We look forward to a fruitful partnership.

Yours sincerely,

Abhinav Das
Manager (Mechanical)/ In charge
Contact: 9030579747
Email: mmtrg@msmetcdurg.org



Syllabus:

1. Introduction to CAD/CAM/CAE

Overview of computer-aided design, manufacturing, and engineering concepts, and their importance in product development.

2. 2D Sketching & Constraints

Creating 2D sketches using geometric and dimensional constraints to develop fully defined profiles.

3. 3D Modeling Exercises

Converting 2D sketches into 3D models using basic features such as extrude, revolve, and sweep.

4. Solid Modeling Techniques

Developing complex solid parts using advanced tools like fillets, chamfers, patterns, and shells.

5. Section Modeling

Creating sectional views to analyze internal component features for better design accuracy.

6. Drafting & Drawing Creation

Preparing engineering drawings with views, dimensions, tolerances, and annotations.

7. Assembly Modeling

Combining multiple parts using various mates to study the fit, function, and movement of an assembly.

8. Mold Design Basics

Introduction to mold design, including parting surfaces, core–cavity creation, and basic mold analysis.

9. Sheet Metal Design

Creating sheet metal parts with bends, flanges, and flat patterns suitable for fabrication.

10. Surface Modeling

Designing complex shapes using surface tools such as loft, sweep, boundary surfaces, and trims for advanced product design.



Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, 495009 (C.G.)

गुरु घासीदास विश्वविद्यालय (केन्द्रीय विश्वविद्यालय) बिलासपुर, 495009 (छ.ग.)

School of Studies Engineering & Technology

अभियांत्रिकी एवं प्रौद्योगिकी अध्ययनशाला

Office of the Head Department of Mechanical Engineering

कार्यालय, विभागाध्यक्ष, मेकेनिकल इंजीनियरिंग

Date: 26.03.25

MSME CAD/CAE Training Program

Certificate Distribution

Sl.No.	Enrollment Number	Roll Number	Name	Certificate No.	Students Signature
1.	GGV/23/01723	23039123	DILEEP NISHAD	59370/E-SDP/2024-25/17	Dileep Nishad
2.	GGV/23/01763	23039163	SOURMYA	59370/E-SDP/2024-25/22	Sourmya
3.	GGV/23/01744	23039144	PIYUSH VERMA	59370/E-SDP/2024-25/16	Piyush Verma
4.	GGV/23/01705	23039105	ABHISHEK TRIPATHI	59370/E-SDP/2024-25/18	Abhishek Tripathi
5.	GGV/23/01711	23039111	ARNOV TIWARI	59370/E-SDP/2024-25/30	Arnov Tiwari
6.	GGV/23/01742	23039142	HARSHITHA PABBINEEDI	59370/E-SDP/2024-25/21	Harshitha Pabbineedi
7.	GGV/23/01747	23039147	PRANJAL KEWAT	59370/E-SDP/2024-25/2	Pranjali Kewat
8.	GGV/23/01728	23039128	KHUSHI RAJ	59370/E-SDP/2024-25/8	Khushi Raj
9.	GGV/23/01743	23039143	PIYUSH SAHU	59370/E-SDP/2024-25/14	Piyush Sahu
10.	GGV/23/01710	23039110	AMIT KUMAR DUBEY	59370/E-SDP/2024-25/10	Amit Kumar Dubey
11.	GGV/23/01750	23039150	PULKIT PAIGOR	59370/E-SDP/2024-25/3	Pulkit Paigor
12.	GGV/23/01752	23039152	RAJNIKANT DUBEY	59370/E-SDP/2024-25/4	Rajnikant Dubey
13.	GGV/23/01716	23039116	ATHARVA WADHWA	59370/E-SDP/2024-25/2	Atharva Wadhwa
14.	GGV/23/01737	23039137	NIKHIL JAISWAL	59370/E-SDP/2024-25/15	Nikhil Jaiswal
15.	GGV/23/01771	23039171	YUGAL TAMRAKAR	59370/E-SDP/2024-25/11	Yugal Tamrakar
16.	GGV/23/01730	23039130	MADIVI DEEPTHILOCHANA	59370/E-SDP/2024-25/6	M. Deepthi
17.	GGV/23/01738	23039138	NITIN KASER	59370/E-SDP/2024-25/19	Nitin Kaser
18.	GGV/23/01751	23039151	RAJ GUPTA	59370/E-SDP/2024-25/22	Raj Gupta
19.	GGV/23/01717	23039117	AVINASH	59370/E-SDP/2024-25/1	Avinash
20.	GGV/23/01702	23039102	ABHAY KUMAR CHHADIMADI	59370/E-SDP/2024-25/28	Abhay Kumar Chhadimadi
21.	GGV/23/01703	23039103	ABHISHAN PRADHAN	59370/E-SDP/2024-25/26	Abhishek Pradhan
22.	GGV/23/01733	23039133	MD NOMAN	59370/E-SDP/2024-25/7	MD Noman
23.	GGV/23/01761	23039161	SHAIK ISAAC	59370/E-SDP/2024-25/3	Shaiq Isaac
24.	GGV/23/01745	23039145	PRACHI GANGWAR	59370/E-SDP/2024-25/23	Prachi Gangwar
25.	GGV/23/01725	23039125	HARSH KUMAR SAHU	59370/E-SDP/2024-25/9	Harsh Kumar Sahu
26.	GGV/23/01706	23039106	ACHYUT AGRAWAL	59370/E-SDP/2024-25/15	Achyut Agrawal
27.	GGV/23/01739	23039139	NITISH MANDAVI	59370/E-SDP/2024-25/13	Nitish Mandavi
28.	GGV/23/01732	23039132	MD IMRAN	59370/E-SDP/2024-25/6	MD Imran
29.	GGV/23/01726	23039126	HIMANSHU VAISHNAV	59370/E-SDP/2024-25/13	Himanshu Vaishnav
30.	GGV/23/01770	23039170	VIPIN NAYAK	59370/E-SDP/2024-25/4	Vipin Nayak



MSME TECHNOLOGY CENTRE, DURG
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES, Govt. of India
Plot No. 2D, Sector-B, Rural Industrial growth centre, Raxmasda, Dist-Durg (C.G.)-491001

ESDP PROGRAMME CAD/CAE Course
Course Duration 03-02-2025 to 14-03-2025(40 Days)
Guru Ghasidas Vishwavidyalaya, Bilaspur

Candidates Attendance Report

Date: 12/03/2025

S no	Name of Candidates	No of days Class	Present	%	sign
1	Abhishek Tripathi	28	27	96.43	CAE
2	Yugal Tamrakar	28	27	96.43	Yugal
3	Arnav Tiwari	28	28	100.00	Arnav
4	Amit Kumar Dubey	28	25	89.29	Amit
5	Piyush Verma	28	28	100.00	Piyush
6	Pulkit Paigor	28	26	92.86	Pulkit
7	Raj Gupta	28	28	100.00	Raj Gupta
8	Nitish Mandavi	28	27	96.43	Nitish Mandavi
9	P. Harshita	28	27	96.43	P. Harshita
10	M. Deepthi Lochana	28	28	100.00	M. Deepthi Lochana
11	Piyush Sahu	28	27	96.43	Piyush Sahu
12	Rajnikant Dubey	28	20	71.43	Rajnikant
13	Himanshu Vaishnav	28	25	89.29	Himanshu
14	Abhay Kumar Chhadimadi	28	26	92.86	Abhay
15	Abhishan Pradhan	28	21	75.00	Abhishan
16	Vipin Nayak	28	26	92.86	Vipin
17	Shaik Isaac	28	27	96.43	Shaik Isaac
18	Nikhil Jaiswal	28	27	96.43	NIKHIL
19	MD Noman	28	28	100.00	MD Noman
20	MD Imran	28	28	100.00	MD Imran
21	Harsh Kumar Sahu	28	26	92.86	Harsh
22	Dilip Nishad	28	28	100.00	Dilip
23	Nitin Kaser	28	24	85.71	Nitin
24	Pranjal Kewat	28	24	85.71	Pranjal
25	Avinash	28	25	89.29	Avinash
26	Achyut Agrawal	28	28	100.00	Achyut
27	Atharv Wadhwa	28	25	89.29	Atharv
28	Prachi Gangwar	28	28	100.00	Prachi
29	Soumya	28	26	92.86	Soumya
30	Kushi Raj	28	28	100.00	Kushi Raj

S. P. Anbuudayasankar
12/03/2025

Dr. S.P. Anbuudayasankar
HOD(Mechanical)

(GGV Bilaspur)

विभागाध्यक्ष/HOD

राष्ट्रीय अभियांत्रिकी विभाग/Mechanical Engg. Dept
प्रौद्योगिकी संस्थान/Institute of Technology
गुरु घासीदास विश्वविद्यालय

Mehul Dadscna
12/03/2025

Mehul Dadscna

Trainer

(MSME TC Durg)



Website link: <https://ggu.ac.in/departments/mechanical/notice/news-activity/>



**MSME Training
Certification Distribution -26.03.25
Department of Mechanical Engineering**

