



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC)  
Dindigul –Palani Highway, Dindigul-624002.

## Department of Mechanical Engineering

### Industrial Visit Report

Date of visit	:	09.03.2023 - Thursday
Place of visit	:	Supreme EDM Tools, 87E, Sathy road, Ganapathy, Coimbatore – 641006.
Year	:	II Year - Mechanical Engineering 2021-25 Batch
Number students Visited	:	36 Students

#### About Supreme EDM Tools,

Supreme EDM Tools is a manufacturer of CNC punch, CNC punch tool, and CNC punch and die components in Coimbatore, Tamil Nadu, India. The company was established in 2015 and is a leader in CNC wire cutting job works in Coimbatore. It is one of the leading businesses in the CNC Wire Cutting Job Works. Also known for Power Tool Wholesalers, EDM Wire Cut Job Works, CNC Wire Cutting Job Works, Wire Cutting Machine Manufacturers, Electrical Goods Repair & Services, Wire Cutting Machine Wholesalers, EDM Machine Wholesalers, Cutting Tool Wholesalers and much more.

#### Supreme Edm Tools

Ganapathypudur, Coimbatore, Tamil Nadu | GST 33ALKPG4309H1ZD | Verified Supplier

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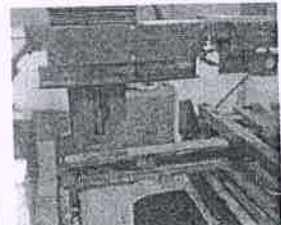
Cnc Punch And Die Components



CNC Die Components



CNC Wire Cutting Machine



Wire Cutting Machine

#### About Us

Supreme Edm Tools - Manufacturer of cnc punch, cnc punch tool & cnc punch and die components in Coimbatore, Tamil Nadu.



Dr.D.SENTHIL KUMARAN, M.E., P.D., PWS  
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## Introduction

As a part of industrial visit on 09.03.2023 Second year mechanical engineering students of 36 numbers and faculty of 4 numbers visited the “**Supreme EDM Tools, 87E, Sathy road, Ganapathy, Coimbatore**”. The name of the faculty is as follows.

1. Dr. M. Sabareeswaran, Asp/Mech.,
2. Prof. M. Selwin, Ap/Mech.,
3. Prof. P. Dheenathayalan Ap/Mech.,
4. Mr. P. Kaliappan, TA/Mech.

## Objective

In the exciting world of EDM (electrical discharge machining) for CNC die components, there's been a continuous stream of learning and innovation! Here are the objective of the industrial visit is to gain awareness about

- Precision & Efficiency
- Material Versatility
- Sustainable Practices
- Industry Collaboration

## Field observation

Some of the most important observations from the EDM industries are:

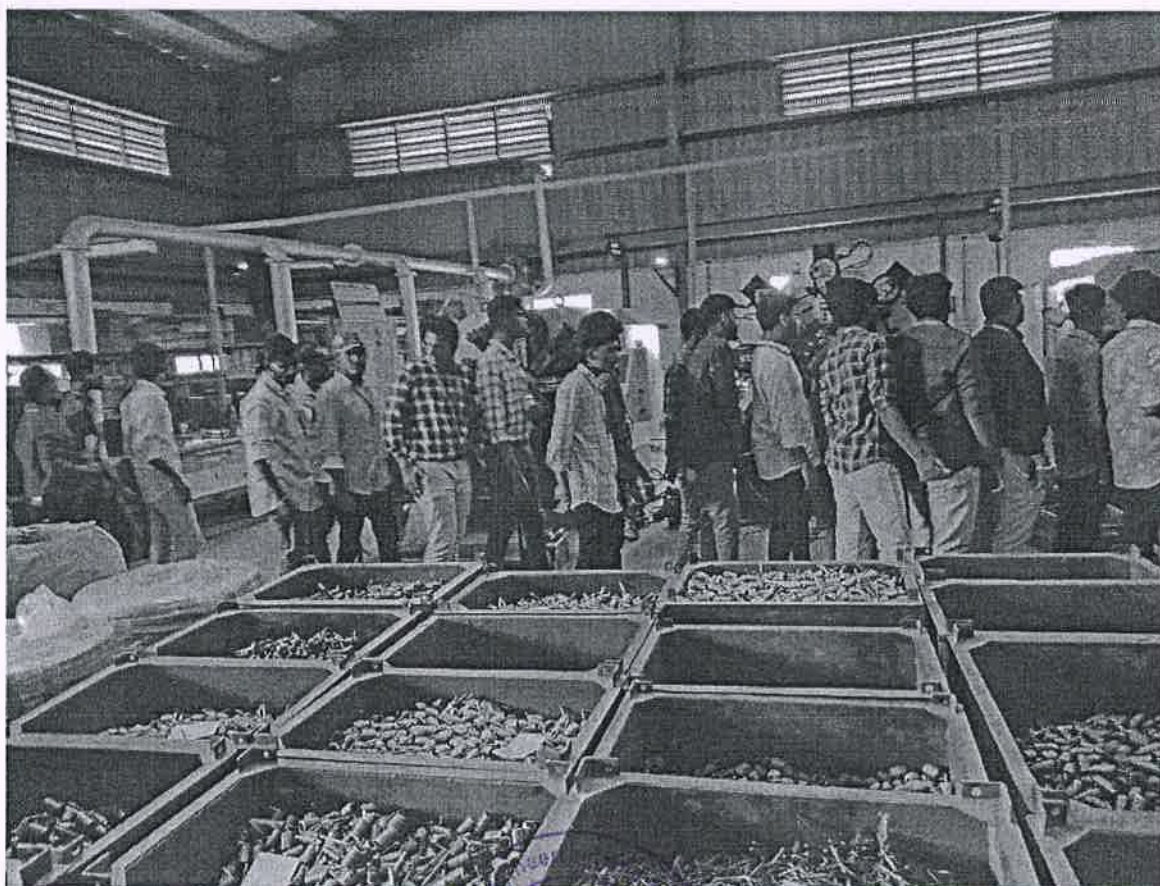
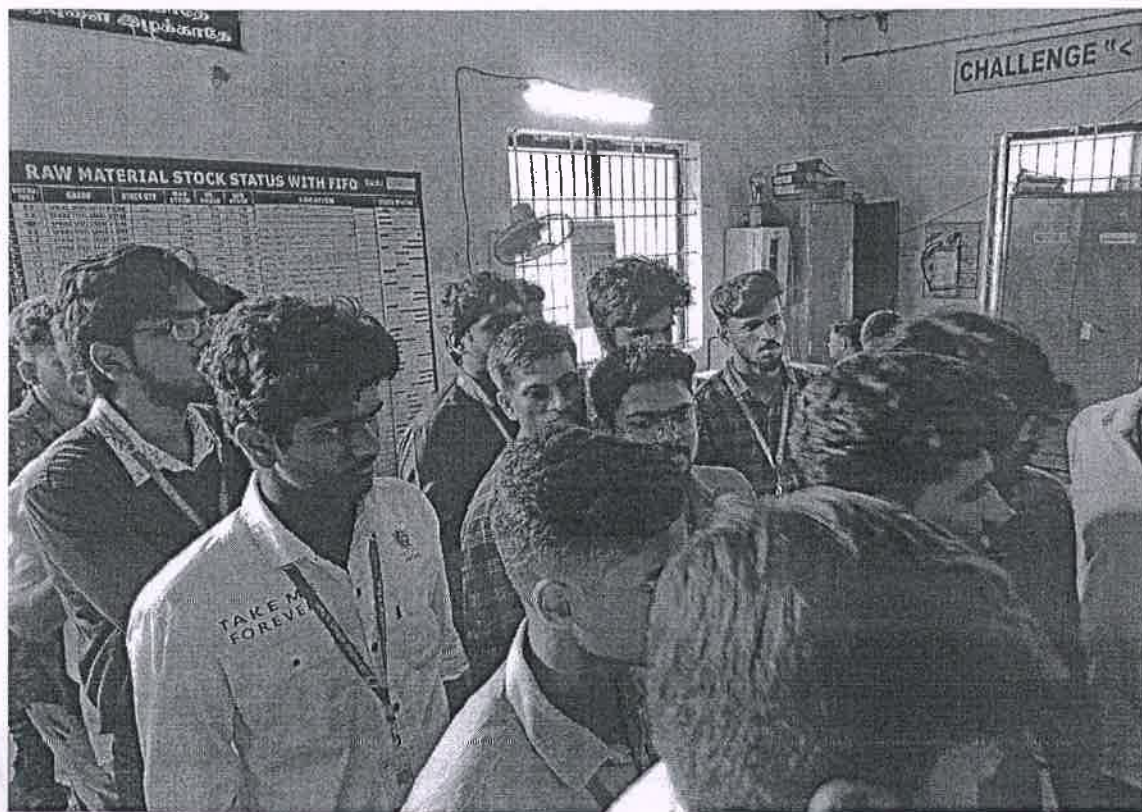
- Micro-EDM advancements: We've pushed the boundaries of miniaturization, allowing for intricate details and ultra-sharp edges impossible with traditional machining.
- High-speed roughing and finishing: Techniques like pulse shaping and adaptive control have optimized cutting speeds, significantly reducing overall machining time.
- Complex geometries made possible: EDM's precision and control unlock intricate shapes and internal features, previously unimaginable with conventional machining.
- Energy optimization techniques: Advanced power supplies and process control minimize energy consumption, making EDM a more sustainable choice.
- Emerging applications: Exploring new frontiers like microfluidics, medical implants, and high-performance aerospace components keeps the industry thriving



  
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## Glimpses of the Industrial Visit:

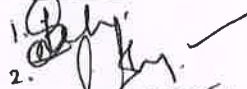
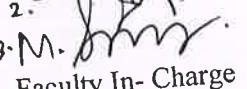
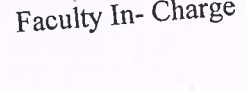


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# Student's List

S.No	Reg.No	Name of the Student	Signature
1	922121114001	AJITH KUMAR S	S. Ajithkumar
2	922121114002	AKASH MARTIN C	Madan. C.
3	922121114003	AMRESH T	Amresh T.
4	922121114004	ANBU SELVAN M	Anbu Selvan M.
5	922121114005	BALACHANDRAN M	Balachandran M.
6	922121114006	CHANTHRU B	Chanthru. B.
7	922121114007	DHANUSH N	N. Dharmes
8	922121114008	DINESH A	Dinesh A.
9	922121114009	DIWAKAR R B	Diwakar R B.
10	922121114010	HARI HARAN B	Hari Haran B.
11	922121114011	HARSAN M S	M. S. Harsan
12	922121114012	INBATAMILAN T	Inbatamilan. T.
13	922121114014	KAVIYARASU A M	Kaviyarasu A M.
14	922121114015	KISHORE KUMAR S	S. Kishore Kumar
15	922121114016	LALITHKUMAR B	Lalith Kumar B.
16	922121114017	NAGARAJAN M	M. Nagarajan
17	922121114018	NAREN KUMAR S	Naren Kumar S.
18	922121114019	NITHISH KUMAR R	Nithish Kumar R.
19	922121114020	RAHUL S	Rahul S.
20	922121114021	RAKUL RAJ A	Rakul Raj A.
21	922121114022	SANTHOSH J	S. Santhosh
22	922121114023	SATHYA SURYA G	S. S. G.
23	922121114024	SEBASTIN NAVEEN KUMAR G E	Sebastian Naveen Kumar G E.
24	922121114025	SHEK MOHAMMED J	Shek Mohammed J.
25	922121114026	SIVARAM T V	T. V. Sivaram
26	922121114027	SOUNDAR RAJAN S	Soundar Rajan S.
27	922121114028	SUBASPANDIAN R	Subaspandian R.
28	922121114029	SYED ABUDHAHIR S	Syed Abudhahir S.
29	922121114030	VAZEER AHAMED H	Vazeer Ahamed H.
30	922121114031	VIGNESH N	N. Vignesh
31	922121114032	VIGNESH KUMAR K	Vignesh Kumar K.
32	922121114033	YASHWATHKUMAR B	Yashwath Kumar B.
33	922121114301	ARUN KUMAR N	Arun Kumar N.
34	922121114302	DINESH KUMAR M	Dinesh Kumar M.
35	922121114303	INBARAJ P	P. Inbaraj
36	922121114304	JEGATHESWARAN S	S. Jegatheswaran

1.   
 2.   
 3. M.   
 Faculty In- Charge





  
 HoD / Mech

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