



**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	:	02.02.2022 - Wednesday
Place of visit	:	Supreme EDM Tools, 87E, Sathy road, Ganapathy, Coimbatore – 641006.
Year	:	II Year - Mechanical Engineering 2020-24 Batch
Number students Visited	:	43 Students

**About Supreme EDM Tools,**

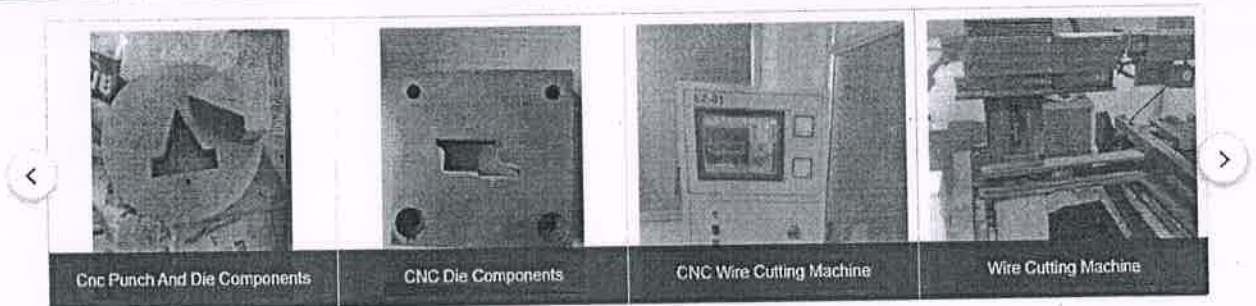
Supreme EDM Tools is a manufacturer of CNC punch, CNC punch tool, and CNC punch and die components in Coimbatore, Tamil Nadu, India. The company was established in 2015 and is a leader in CNC wire cutting job works in Coimbatore. It is one of the leading businesses in the CNC Wire Cutting Job Works. 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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**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., Ph.D., (NUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kottathupatti Village Sindalagudi, Dindigul.

## Introduction

As a part of industrial visit on 02.02.2022 Second year mechanical engineering students of 43 numbers and faculty of 5 numbers visited the “Supreme EDM Tools, 87E, Sathy road, Ganapathy, Coimbatore”. The name of the faculty is as follows.

1. Dr. M. Muthukannan Prof/Mech
2. Prof. M. Prabakaran, Ap/Mech.,
3. Prof. P. Sankar kannan Ap/Mech.,
4. Mr. P. Ilayaraja, 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:

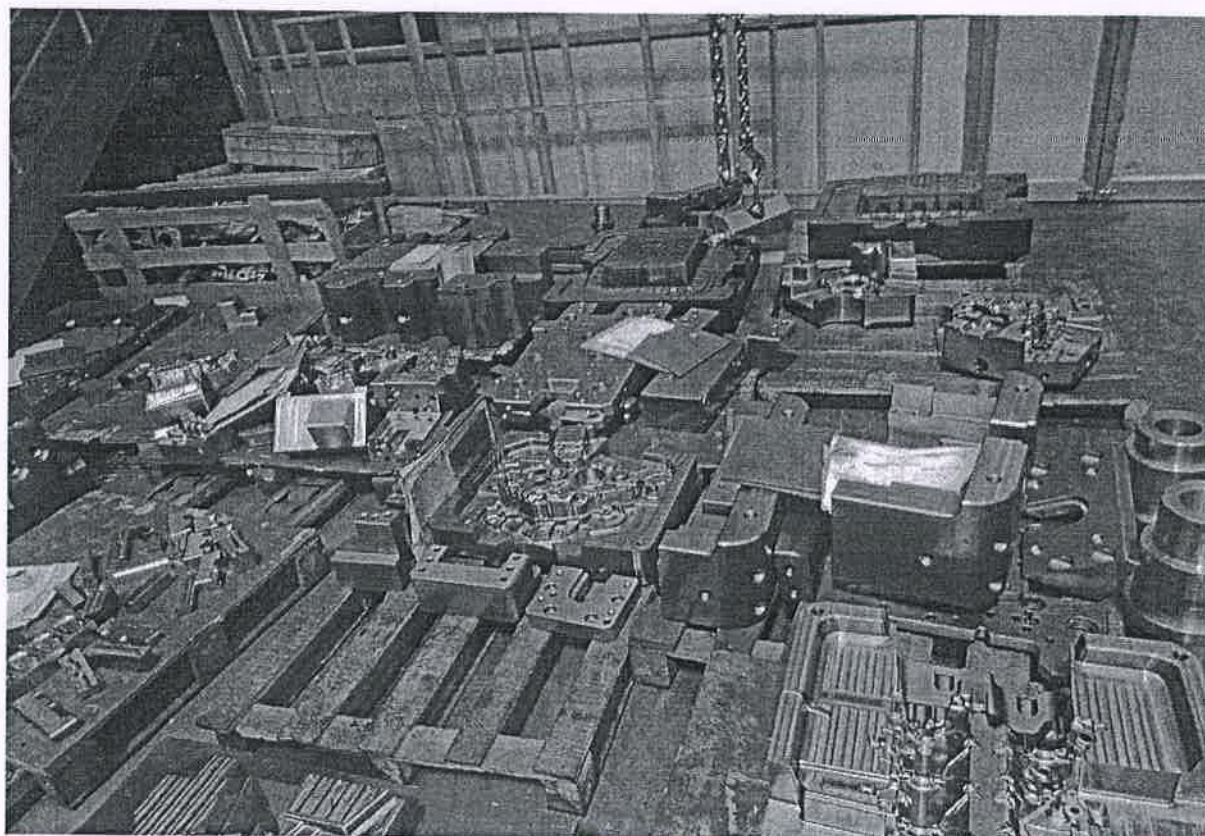
- Micro-EDM advancements: We've pushed the boundaries of miniaturization, allowing for intricate details and ultra-sharp edges impossible with traditional machining.
- High-speed roughing and finishing: Techniques like pulse shaping and adaptive control have optimized cutting speeds, significantly reducing 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	922120114001	ABDUL HARSHATH A	Abdul Harshath
2	922120114002	ARISHRAJAN I	Arishrajan
3	922120114004	BALAMURUGAN S	Balamurugan
4	922120114005	DANUSHMANI S	Danushmani
5	922120114006	DINESH S	D. Dinesh
6	922120114007	EDISON S	Edison S.
7	922120114008	JAIKUMAR PANDIAN J	Jaikumar Pandian
8	922120114009	JOHNSON M	M. Johnson
9	922120114010	KARTHICK D	D. Karthick
10	922120114011	KARTHICK RAJA R	Karthick Raja R
11	922120114012	KARTHIKEYAN N	Karthikeyan N
12	922120114013	LAKSHMI N	N. Lakshmi
13	922120114017	MUTHU SANTHOSH M.S	M. S. Muthu
14	922120114302	ABISHEK N	Abhishek N
15	922120114306	DEVAPRAKASH N	Devaprakash N
16	922120114308	DHIWAKAR C	C. Dhiwakar
17	922120114313	KOWSHIK BALAJI S	K. Balaji S
18	922120114018	NAWFUL GHIYAS M	M. Nawful Ghayas
19	922120114019	NITHESH S	N. Nitheesh
20	922120114020	NITHIS KUMAR J	J. Nithis Kumar
21	922120114022	RAJARAJESHWARAN S	S. Rajarajeshwaran
22	922120114023	RAJASEKARAN V	V. Rajasekaran
23	922120114026	SANMUGAPANDI M	M. Sanmugapandi
24	922120114027	SANTHOSH KUMAR M	M. Santhosh Kumar
25	922120114028	SARAVANA PANDI P	P. Saravana Pandi
26	922120114029	SIVARAMAN S	S. Sivaraman
27	922120114030	SUGAN B	B. Sugan
28	922120114031	TAMIL SELVAN S	S. Tamil Selvan
29	922120114032	VASANTH R	R. Vasanth
30	922120114033	VIDYASARAN P	P. Vidyasaran
31	922120114314	LOKESH VARMA D	D. Lokesh Varma
32	922120114316	MAUREESH K V R	R. Maureesh K V
33	922120114317	NAVIN JOE J	J. Navin Joe
34	922120114318	PRASANNAKUMAR S	S. Prasannakumar
35	922120114319	RAJKUMAR P	P. Rajkumar
36	922120114320	RAMKUMAR P R	P. R. Ramkumar
37	922120114321	SABARINATHAN S	S. Sabarinathan
38	922120114322	SACHITHANANTHAM M	M. Sachithanantham
39	922120114323	SANTHOSH KANNAN R	R. Santhosh Kannan
40	922120114324	SIVAYOGAPRABHU V	V. Sivayogaprabhu
41	922120114325	SRIKRISHNA R	R. Srikrishna
42	922120114326	VENGADESH V	V. Vengadesh
43	922120114327	VISHVA G	G. Vishva

Faculty In-Charge 2: P. B. M.



HOD/Mech.

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