



**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education, Noida**  
**Department of Mechanical Engineering.**



**Student forum “YANTRASHILPA”**

Yantrashilpa, the mechanical engineering students Society, is formed and managed by students and working under the guidance of a faculty in charge. It is the oldest students' society of the institution and provides a platform to the student to apply theoretical knowledge in solving real world engineering problems. This society organizes workshops, seminars and contests in order to inculcate technical and creative skills among the students. **Yantapatra** is the branch of Yantrashilpa which is mainly covered the technical writing of the department and publishes issues. The issue generally included the interviews of Alumni, interview Expert of Mechanical Engineering field, and current technological developments. Yantrashilpa also play vital role in **ZEALICON** and organizing the following events

1. Beat the Weight
2. Mechlego
3. Water Rocket
4. Clash of Clan

Some glimpse of events of ZEALICON 2023 are below here:



Figure 1. Beat the weight





Figure 2. Mechlego



Figure 3. Water Rocket



Figure 4. Clash of Clan

### INDUSTRIAL VISIT

<b>1. Type of Visit/Tour</b>	:	MANUFACTURING INDUSTRY
<b>2. Date &amp; Time of Departure</b>	:	07/06/23          12:30 PM
<b>3. Date &amp; Time of Arrival</b>	:	07/16/23          5:00 PM
<b>4. Address &amp; Phone Nos. (for contact)</b>	:	<b>SPARK MINDA</b> Minda Corporation Limited (Wiring Harness Division) Greater Noida
<b>5. Mode of Travel</b>	:	Bus
<b>6. Copy of Approval letter from Industry</b>	:	Yes
<b>7. Accompanying Faculty Details</b>	:	Mr. Visnu Kumar Tiwari and Mr. M.Nagaraj



## 8. Student Details:

- |                    |  |
|--------------------|--|
| a) Semester/Year   | : 4 <sup>th</sup> Semester (BATCH: 2022– 23) |
| b) No. of students | : 24 visited                                 |

## **DETAILS OF INDUSTRY**

### **About Spark Minda**

For over **six decades**, **Spark Minda (erstwhile MINDA Group)** has a major presence in **Global Automotive Industry** and is one of the leading manufacturers of automotive components for the OEMs. The US \$445 Million Group, with a workforce of more than 16,000 is catering to the leading Passenger Vehicle, Commercial Vehicle, Motorcycle & Scooter, Off-road Vehicle & Tier 1 Manufacturers in India with presence in Indonesia, Vietnam, Uzbekistan, U.S.A. and Japan. We also serve to after market segment in India through a strong dealer distributorship of about 450 dealers.

For the technological edge, we have a dedicated R&D facility and collaborations with the pioneers and leaders of the automobile industry. For assimilating the latest technologies,

Spark Minda has entered into strategic alliances and technical collaborations with leading international companies and acquired businesses across the globe. This has provided

Spark Minda with the cutting-edge in product design and technology to meet strict international quality standards.

The Group companies are accredited with **QS 9000, ISO-14001, and TS Certification**. We are one of the India's leading manufacturers of automotive components – Electronic & Mechanical Security Systems, Die Casting, Keyless Solutions, Starter & Alternator Motors, Telematics, ITS & IoT, Wiring Harnesses, Components, Instrument Clusters, Sensors, Interior Plastics and new component on electronics that cater to all major two, three, four-wheeler, commercial, off-road vehicle manufacturers in India & Overseas..

The products are well accepted worldwide, both within OEMs and the Aftermarket.

## **OUTCOME**

Students got awareness about work culture of an Industry.

Students gain knowledge in the field of Manufacturing process, got exposure towards Injection moulding machine operations and it's working. Mould Handling, Raw material feeding, process layout, product layout, efficiency of work force, Production method, production time, waste material disposal etc.

Students came to know about the operation of various types of Presses, Press mould assembly, its function, operation, material handling, finished product transferring method, insertion moulding of automobile parts etc.



## **Extra-Curricular Activities**

### **Academic Year 2020-21**

<b>Sl. No.</b>	<b>Event</b>	<b>Student Name</b>	<b>Award</b>
<b>1.</b>	<b>World Environment Day</b>	<b>Participants</b>	<b>--</b>
<b>2.</b>	<b>International Yoga Day</b>	<b>Participants</b>	<b>--</b>
<b>3.</b>	<b>Netaji Subhash Jyanti Netaji Subhash Jyanti “PARAKRAM DIWAS”</b>	<b>Participants</b>	<b>--</b>
<b>4.</b>	<b>Zealicon</b>	<b>Participants</b>	<b>--</b>

### **Academic Year 2019-20**

<b>Sl. No.</b>	<b>Event</b>	<b>Student Name</b>	<b>Award</b>
<b>1.</b>	<b>World Environment Day</b>	<b>Participants</b>	<b>--</b>
<b>2.</b>	<b>International Yoga Day</b>	<b>Participants</b>	<b>--</b>
<b>3.</b>	<b>Netaji Subhash Jyanti Netaji Subhash Jyanti “PARAKRAM DIWAS”</b>	<b>Participants</b>	
<b>4.</b>	<b>Zealicon</b>	<b>Participants</b>	<b>--</b>

### **Academic Year 2018-19**

<b>Sl. No.</b>	<b>Event</b>	<b>Student Name</b>	<b>Award</b>
<b>1.</b>	<b>World Environment Day</b>	<b>Participants</b>	<b>--</b>
<b>2.</b>	<b>International Yoga Day</b>	<b>Participants</b>	<b>--</b>
<b>3.</b>	<b>Netaji Subhash Jyanti “PARAKRAM DIWAS”</b>	<b>Participants</b>	<b>--</b>
<b>4.</b>	<b>Zealicon</b>	<b>Participants</b>	<b>--</b>

## Academic Year 2017-18

Sl. No.	Event	Student Name	Award
1.	World Environment Day	Participants	--
2.	International Yoga Day	Participants	--
3.	Zealicon	Participants	--