



SANDIP FOUNDATION'S  
**SANDIP POLYTECHNIC, NASHIK**  
DEPARTMENT OF INFORMATION TECHNOLOGY

**Academic Year : 2017- 18**

**Name of Project:** LASER ENGRAVER

**Group Members :**

1. Manoranjan Bhowmik
2. Om Ganjave
3. Aman Yadav
4. Vaishnavi Sangale

**Description:**

Laser engraving, which is a subset of laser marking, is the practice of using lasers to engrave an object. Laser marking, on the other hand, is a broader category of methods to leave marks on an object, which also includes color change due to chemical/molecular alteration, charring, foaming, melting, ablation, and more. The technique does not involve the use of inks, nor does it involve tool bits which contact the engraving surface and wear out, giving it an advantage over alternative engraving or marking technologies where inks or bit heads have to be replaced regularly.

The impact of laser marking has been more pronounced for specially designed "laserable" materials and also for some paints. These include laser-sensitive polymers and novel metal alloys.

**Awards/Recognition:**

Date	EVENT (project competition)	College	Award
18-01-2018	ISTE (State Level Project Competition)	Sandip Polytechnic,Nashik	1 <sup>st</sup> Prize
03-02-2018	MAP FEST (State Level Project Competition )	Matoshri Polytechnic,Nashik	3 <sup>rd</sup> Prize
14-02-2018	Mechzzmo(National Level Project Competition)	Pravara Education Socities , SVIT College of Engineering,Chincholi	1 <sup>st</sup> Prize
16-02-2018	PROJIT (National Level Project Competition)	JIT College of Engineering,Nashik	1 <sup>st</sup> Prize
23-02-2018	TECH FIGHT	SIEM college of Enginnering,Nashik	1 <sup>st</sup> Prize
27-02-2018	PRO-SPARK (State Level Project Competition)	Amrutvahini Polytechnic Sangamner	2 <sup>nd</sup> Prize
28-02-2018	TECHNOBRAIN (State Level Project Competition)	Guru Gobind Singh Polytechnic,Nashik	2 <sup>nd</sup> Prize

**Photographs:**



ISTE (State Level Project Competition) (18-01-2018)



MAP FEST(State Level Project Competition ) Matoshri Polytechnic (03-02-2018)





Mechzzmo(National Level Project Competition) Pravara SVIT college of Engineering(14-02-2018)



PROJIT (National Level Project Competition) JIT college of Engineering (16-02-2018)



TECH FIGHT (SIEM college of Engineering) (23-02-2018)



PRO-SPARK (State Level Project Competition) Amrutvahini polytechnic Sangamner(27-02-2018)





TECHNOBRAIN Guru Gobind Singh Polytechnic (State Level Project Competition) ( 28-02-2018)