

**“PRODUCT DATA MANAGEMENT OF ENGINE OIL DRAINER USING
TEAMCENTER”**

Project Batch No: 19

Roll Number & Name of the Team Members:

1. NAVANEETHAN S (20BME002)
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ABSTRACT

Bike mechanics drain the used engine oil by the manual method of removing the drain nut and storing the oil by placing plastic trays under the engine. This increases the time required to drain the oil completely from the engine block to the plastic tray and reduces bike mechanics' productivity.

The Engine Oil Draining machine fabricated in this project solves the problem. In this prototype, we have used both suction and vacuum pumps for better draining of used Engine Oil from the Engine block. This machine is fabricated to reduce the risks of manpower and the time required for manual removal. Engine oil has been used in various applications that can be reused for various purposes.

In this process of fabricating this machine from ideation to prototype, we have used a software named Siemens Teamcenter which is integrated with Siemens NX-CAD for storing CAD data files. It is one of the PLM (Product Lifecycle Management) software that allows to perform tasks such as workflow manager, BMIDE, My Teamcenter, Structure Manager, Schedule Manager, and many more to increase the productivity of tasks involved.

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Mark Allocation

SI . No.	Mark Allocation	Max. Marks (100)	Awarded Marks	
			20BME002	20BME012
1	Presentation	30		
2	Report	50		
3	Viva-voce	20		
	TOTAL	100		

INTERNAL EXAMINER

EXTERNAL EXAMINER