

## ABOUT THE INTERNSHIP

In today's rapidly evolving manufacturing and automotive sectors, the need for hands-on experience and troubleshooting expertise is more vital than ever.

This Intensive Summer Internship Program is designed to bridge the gap between classroom theory and industrial application. It combines machining and welding practices with practical training in internal combustion (IC) engine maintenance and automobile diagnostics.

### **PROGRAM HIGHLIGHTS**

- Hands-on training in Machining, Welding & Automotive Engine Diagnostics
- Hands-on practices on IC Engine assembly & disassembly
- Troubleshooting of the IC engine and automobile
- Performance and emission analysis on IC engine
- Mentorship by expert practitioners
- Certification upon successful completion

### **KEY LEARNING MODULES**

#### **Manufacturing Techniques**

- Lathe operations (turning, facing, threading)
- Milling and drilling
- Arc, MIG & TIG Welding

#### **IC Engine & Automobile Troubleshooting**

- Engine components & working (2-stroke & 4-stroke)
- Engine disassembly and fault detection
- Diagnosis of common engine issues (e.g., knocking, overheating)

Ideally, this internship suits students pursuing a Diploma, B.Tech., M. Tech. in Mechanical Engineering, Manufacturing Engineering, Production Engineering, or related disciplines.

### DURATION & COURSE FEE PER PARTICIPANT

**Schedule:** Starting from 1<sup>st</sup> June to 11<sup>th</sup> July 2026.

**Course fee:** Rs. 1000/- payable to 'student fund'  
A/C No. 10635508860, IFSC: SBIN0011812  
To register go to the link given below:

<https://forms.gle/aqkP2DXSJHWwrzJdA>

## ORGANIZING COMMITTEE



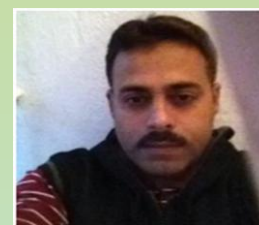
**Patron**  
Prof. Pankaj Rai,  
Director  
BIT Sindri.



**Convener**  
Prof. Vijay Pandey, Head  
Dept. of Mech. Engg.  
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**Coordinator**  
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**Coordinator**  
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**Coordinator**  
Dr. Rajen Kumar Nayak  
Assistant Professor  
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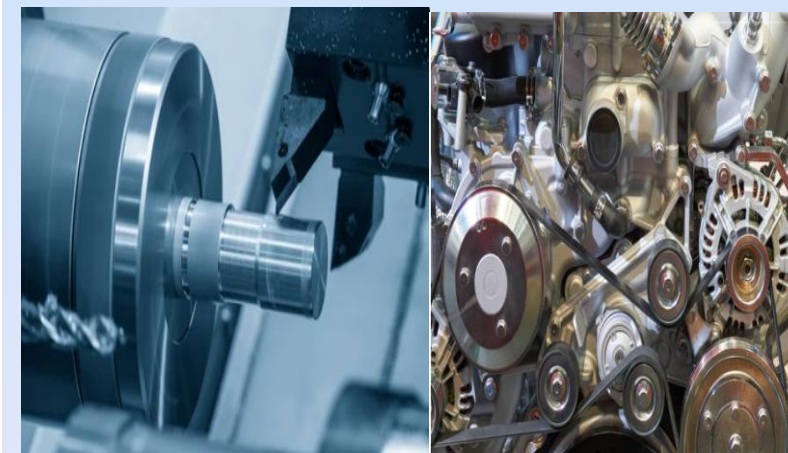
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**DEPARTMENT OF  
MECHANICAL ENGINEERING  
BIT SINDRI, DHANBAD**



**'Industry-Based Practices: Manufacturing, IC Engine & Automobile Troubleshooting'**



*Offers*

**Summer Internship**

**On**

**Manufacturing, IC Engine and Automobile Troubleshooting: Hands-on Practices**

**Period: 1<sup>st</sup> June – 11<sup>th</sup> July 2026**

**AT  
DEPARTMENT OF  
MECHANICAL ENGINEERING  
BIT SINDRI, DHANBAD  
JHARKHAND**