



# SUMMER INTERNSHIP

IIT INDORE

# CERTIFICATE

## OF COMPLETION

*proudly presented to*

**ASHWIN SONI**

*This is to certify that Ashwin Soni, B.Tech (3rd year), IIT Indore, has successfully completed the internship under Professor Trapti Jain (Department of Electrical Engineering). He demonstrated excellent performance and dedication in the project titled "Closed-loop Implementation of Boost Converter using ATmega 2560", showcasing his hard work and outstanding contribution in implementing PI control algorithms, designing the boost converter hardware, and validating its operation with supporting circuits such as DC supply and MOSFET driver.*

**PROF. TRAPTI JAIN**  
INSTRUCTOR  
DEPARTMENT OF  
ELECTRICAL  
ENGINEERING



**INTERNSHIP PERIOD**  
**15 MAY -15 JULY**  
**2024**