

SEMINARS ON TECHNOLOGICAL ADVANCES AND
INNOVATION**CNC TECHNOLOGY:
MACHINING, HISTORY AND
EVOLUTION****Aathif Ahmed Odam**TATA INSTITUTE OF FUNDAMENTAL RESEARCH
HYDERABAD

CNC technology represents a cornerstone of modern manufacturing, evolving from early punched-tape controls to today's advanced 5-axis precision systems. This progression, driven by innovations in mechatronics and digital automation, has transformed how complex components are designed and produced. The presentation traces this journey through key milestones in machining and control evolution, highlighting the role of digital manufacturing in achieving unmatched accuracy and flexibility. A brief overview of our state-of-the-art DMG MORI 5-axis milling system illustrates the capabilities that define the next era of precision engineering.

Oct**23rd****2025**

TIFRH Auditorium 16:00 Hrs

Tea/Coffee 15:45 Hrs