

# MANISH RANJAN

Sasaram, Bihar-802212 ·

Email · [mranjan20@iitk.ac.in](mailto:mranjan20@iitk.ac.in)

To be a responsible and sincere citizen of my country by being a conscientious scholar of esteemed institutions and utilize my proficiencies and abilities to their greatest extent.

## EXPERIENCE

2017 - 19

**ASSISTANT PROCESS DESIGNER**, SAMRAT FORGING LTD, CHANDIGARH

Computer simulation of the hot-deformation process to develop their constitutive equation and processing map.

## EDUCATION

2015-17

**M.TECH: MATERIALS AND METALLURGY**, PUNJAB ENGINEERING COLLEGE(PEC), CHANDIGARH

Thesis on "Study of Process Parameter Towards Optimization of Hot Forging Process." It is based on the thermo-mechanical processing of AISI 5140 steel. The constitutive equation is established based on the phenomenological model in which Zener-Hollomon parameter is used to determine the combined effect of strain rate and temperature on flow stress.

Aggregate: 7.96 CGPA

2011-15

**B.TECH: MECHANICAL ENGINEERING**, PUNJAB TECHNICAL UNIVERSITY

Aggregate: 67%

2008-10

**INTERMEDIATE: PCM**, ANJABIT SINGH COLLEGE, BSEB PATNA

Aggregate: 72.4%

2007-08

**MATRICULATION: S S SCHOOL**, BSEB PATNA

Aggregate: 69%

## SKILLS

- AutoCAD: Advanced
- SolidWork: Intermediate
- DEFORM: Intermediate
- ABAQUS: Intermediate

- Python: Intermediate
- Molecular Dynamics: Intermediate
- MATLAB: Intermediate

## **INDUSTRIAL INTERNSHIP**

- Project training of 16 weeks on ENGINE OVERHAULING& & STEELMAKING PROCESS at **SAIL BOKARO**, Jharkhand
- Vocational training of 8 weeks at INDIAN RAILWAY, RNCC PATNA.

## **INTERESTS**

- Reading magazines.
- Traveling
- Volunteer work
- Football