



Examination	University	Institute	Year	CPI/%
Post Graduation	IISc Bengaluru	IISc Bengaluru	2021-23	8.2(up to 1 st sem)
Graduation	VBU	BIT Sindri	2017-21	8.62
Intermediate / +2	AISSE	DAV Public School	2014-16	84
Matriculation	AISSE	Dhanbad Public School	2014	10 CGPA

PROJECTS

Masters Project (Proposed)

Understand the effect of thermal cycling (including thermal shock, sub-zero temperatures, etc.) and thermo-mechanical cycling (i.e., superposition of thermal cycling and cyclic stress) on whisker growth. Work will also involve extensive microstructural analysis, including SEM, EBSD, etc.

Under graduation Project

Effect of heat treatment and welding on mechanical and corrosion properties of stainless steels

TRAINING AND INTERNSHIP

Industrial Problem of BOROSIL: Failure Investigation of Stellite based glass cutting tools at **CSIR NML**.

CERTIFICATION COURSE

E learning course on **Desulphurisation and primary steel making**

Fundamentals of MATLAB

Material Behaviour

LANGUAGES KNOWN

Hindi

English

Bangla

RELEVANT COURSES

Metallurgical Thermodynamics
Structure and Characterization
Modelling and Simulation in Materials Engg
Electronic Properties of Materials
Mechanical Behavior of Materials
Fracture

TECHNICAL SKILLS

Mechanical Testing, Material Characterization

Programming language/Tools : Python, MATLAB

SCHOLASTIC ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

Secured **All India Rank 6** in Graduate Aptitude Test in Engineering [**GATE**] 2021 in Metallurgical Engineering
Completed **5TH Year** under PRACHEEN KALA KENDRA, CHANDIGARH in fine arts (Painting) and got distinction
Implemented the idea of **EXTRACTION OF KINETIC ENERGY AND HEAT ENERGY OF SMOKE PARTICLES FROM CHIMNEYS AND MADE A WORKING MODEL ON IT** .

HOBBIES

Playing Badminton

Exploring new places and culture

Singing

DECLARATION

I do hereby declare that the above given statements are true and correct to the best of my knowledge.

Arkoprabho Roy

