



Arkoprabho Roy
Materials Engineering
Indian Institute of Science



✉ arkoprabhor@iisc.ac.in
☎ +917909069326
in arkoprabhoroy38ba98180

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	AISSCE	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

DECLARATION

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

Arkoprabho Roy

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

