

DEBOJIT CHANDA

PMRF, IIT Kanpur

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EDUCATION

2020–PRESENT	Pursuing Ph.D. in PHYSICS, Indian Institute of Technology Kanpur , Uttar Pradesh, India SOFT AND ACTIVE MATTER LAB, <i>Supervisor: Dr. Manas Khan</i>
2018–2020	M.Sc. in PHYSICS, Indian Institute of Technology Kanpur , Uttar Pradesh, India
2015–2018	B.Sc. in PHYSICS, Ramakrishna Mission Vidyamandira , West Bengal, India (Affiliated to <i>University of Calcutta</i>)
2015	12 th standard, Bidhannagar Govt. High School , West Bengal, India (From <i>WBCHSE</i>)
2013	10 th standard, Bidhannagar Govt. High School , West Bengal, India (From <i>WBBSE</i>)

SCHOLARSHIPS

2015-2020	DST-INSPIRE Scholarship for Higher Education (SHE) during <i>B.Sc.</i> and <i>M. Sc.</i> (Awarded to <i>top 1%</i> in 12 th (+2 level) who pursued higher studies in basic science)
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OTHER ACADEMIC HIGHLIGHTS

National Level Exams

2020	Secured AIR 101 in Joint Entrance Screening Test (<i>JEST</i>)
2020	Qualified Graduate Aptitude Test in Engineering (<i>GATE</i>) with score 540
2020	Qualified TIFR GS2020, called for interview. (DECLINED in favor of other positions)
2019	Secured AIR 119 (JRF) in Joint CSIR-UGC National Eligibility Test (<i>NET</i>) in Physics Eligible as JUNIOR RESEARCH FELLOW and for Lectureship , in India
2018	Secured AIR 60 in Joint Entrance Screening Test (<i>JEST</i>)
2018	Secured AIR 69 in Joint Admission test for Masters (<i>JAM</i>)

Colloquium(s) Attended

2019	Participant, YOUNG PHYSICISTS' COLLOQUIUM 2019 (Organised by <i>Saha Institute of Nuclear Physics</i> , India)
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SOFTWARE SKILLS

Programming Languages	Python, C and Julia (BASIC KNOWLEDGE in C++, Matlab, Go and POSIX)
Technical softwares	Mathematica, Gaussian, GaussView and VMD
Plotting softwares	Matplotlib, Origin Pro, Gnuplot, Plotly and GR
Writing	LaTeX, MS Word, Libreoffice Writer
Operating Systems	Linux (Arch, Ubuntu, Fedora) and Windows

ACADEMIC COURSES

Ph.D.	Semester 1	Advanced Statistical Mechanics Non-Equilibrium Statistical Mechanics
	Semester 2	Optical microscopy & Bioimaging Introduction to Physics of Polymeric System
M.Sc.	Semester 1	Classical Mechanics I, Mathematical Methods I, Quantum Mechanics I, Electronics, Experimental Physics I
	Semester 2	Statistical Mechanics, Mathematical Methods II, Quantum Mechanics II, Experimental Physics II, Computational Physics
	Semester 3	Special & General Relativity, Condensed Matter Physics I, Classical Electrodynamics I, M.Sc. Project I, M.Sc. Project II
	Semester 4	Introduction to Atomic and Nuclear Physics, M.Sc. Project III, M.Sc. Project IV, Soft Matter: Concepts and Methods, Photonic Devices

ACADEMIC EXPERIENCES

Internships

SUMMER INTERN, May 2019 – July, 2019, *Saha Institute of Nuclear Physics, Kolkata, India*

Topic: Formation of Protonated Bases of RNA: DFT Studies

Supervisor: Prof. Dhananjay Bhattacharyya, SINP

Course Projects

M.Sc. PROJECT, August 2019 – May, 2020, *Indian Institute of Technology Kanpur, Kanpur, India*

Topic: Transverse Stiffness of a Deformed Erythrocyte to Pass Through Narrow Curved Capillaries

Supervisor: Dr. Manas Khan, IIT Kanpur

PHY473A PROJECT, March 2019 – April, 2019, *Indian Institute of Technology Kanpur, Kanpur, India*

Topic: Mangalyaan: A Simulation of ISRO's mission using Python

Instructor: Prof. Mahendra K. Verma, IIT Kanpur (COURSE: Computational Physics PHY473A)

B.Sc. PROJECT, January 2018 – May, 2018, *Ramakrishna Mission Vidyamandira, Howrah, India*

Topic: Origin of Stochastic Behaviour of the Fundamental Cellular Process

Supervisor: Late Dr. Rajesh Karmakar, RKMV

EXTRA CURRICULAR ACTIVITIES

Painting	Art degrees upto 9 th Year (BANGIYA SUR-SANGEET KENDRA) Participant in <i>Wall Magazine Competetion</i> in 2015, 2016 (Winner), 2017, RKMV
Sports	Football Player, <i>IFL-2019</i> (IIT Kanpur), <i>College League</i> (RKMV, Runners' Up)
Responsibility	Organizing Member, <i>Quanta Quest</i> , 2016, RKMV Member, <i>National Service Scheme (Education Wing)</i> , 2015 – 18, RKMV Volunteer in <i>Blood Donation Camp</i> , 2016, RKMV