

# Sibaprasad BARIK

## PERSONAL DATA

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PLACE AND DATE OF BIRTH : Medinipur, West Bengal | 12 th March, 1992  
CURRENT ADDRESS : Indian Institute of Technology - Bombay, Mumbai 400076  
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EMAIL : [sibaprasadbarik00@gmail.com](mailto:sibaprasadbarik00@gmail.com)  
[sbank@math.iitb.ac.in](mailto:sbank@math.iitb.ac.in)

## CURRENT POSITION

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PHD SCHOLAR (Senior Research Fellow)  
Indian Institute of Technology, Bombay

## AREA OF SPECIALIZATION

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Mathematics • OPERATOR THEORY

## WORK EXPERIENCE

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MARCH 2018 ATM School workshop on “MODERN ASPECTS OF FUNCTION THEORY, OPERATOR THEORY AND OPERATOR ALGEBRAS” at ISI Bangalore

SUMMER 2015 Summer Intern at TIFR-CAM  
**Topic:** Advance Measure Theory

AUGUST 2014- MAY 2015 Master’s Thesis  
**Topic:** Characterization of Eigenfunctions of the Laplacian  
**Supervisor:** Dr. Saugata Bandyopadhyay

## EDUCATION

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2016 Master of Science in Mathematics  
**Indian Institute of Science Education and Research, Kolkata**  
CGPA: 8.7

2013 Bachelor of Science in Mathematics  
**Calcutta University**  
MARKS OBTAINED: 74%

## TEACHING EXPERIENCE

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AUTUMN 2018 Teaching assistance for B.tech 2nd year course at IIT Bombay (Complex Analysis)

SPRING 2017 Teaching assistance for B.tech 2nd year course at IIT Bombay (Numerical Analysis)

AUTUMN 2017 Teaching assistance for B.tech 1st year course at IIT Bombay (Calculus)

SPRING 2015 Tutor for BS-MS 1st year students at IISER Kolkata (Foundation II)

AUTUMN 2015 Tutor for BS-MS 2nd year students at IISER Kolkata (Foundation I)

AUTUMN 2014 Tutor for BS-MS 2nd year students at IISER Kolkata (Analysis II)

## SEMINARS PRESENTED

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- AUTUMN 2013 Bertrand Postulate i.e there always exists at least one prime in between  $n$  and  $2n$   
**Supervisor :** Dr. Saugata Bandyopadhyay
- AUTUMN 2013 Jordan Canonical Form  
**Supervisor :** Dr. Subrata Shyam Roy
- SPRING 2014 Riesz Representation Theorem  
**Supervisor :** Dr. Saugata Bandyopadhyay
- SPRING 2014 Free Groups  
**Supervisor :** Dr. Himadri Mukherjee
- AUTUMN 2014 Characterization of sine functions by J.Roe  
**Supervisor :** Dr. Saugata Bandyopadhyay

## COURSES TAKEN

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- M.S Multivariable calculus, Topology, Measure Theory, Distribution Theory, Number Theory, Algebraic Topology, Graph Theory, Commutative Algebra, Algebraic Geometry, Ordinary Differential Equation, Differential Geometry, Fourier Analysis
- B.Sc Real Analysis, Linear Algebra, Group theory, Classical Mechanics, Statistics, Discrete Mathematics, Optimization, Geometry of Curves, Complex Analysis, Numerical Analysis, Probability, Statistics

## SCHOLARSHIPS

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- JULY 2014 CSIR Net exam qualified for Research Fellowship  
2013-2016 Integrated Ph.D fellowship of IISER Kolkata  
2010-2013 DST-INSPIRE Scholarship

## LANGUAGES

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- BENGALI : Mother tongue  
ENGLISH : Fluent  
HINDI : Working language

## COMPUTER SKILLS

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- LANGUAGE : C programming  
GRAPHICS AND DESIGN : Latex, Excel, Word, Powerpoint

## INTERESTS AND ACTIVITIES

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Athletics, Gymming, Swimming, Music, Table Tennis, Football, Travelling.