



VIDYASAGAR COLLEGE

39 SANKAR GHOSH LANE
KOLKATA

ANIKET BASU

1	Name	ANIKET BASU		
2	Designation	Assistant Professor		
3	Mail ID	aniket.basu@gmail.com		
4	Contact No	9836790149		
5	Date of Joining	02.03.2015		
Academic qualifications				
6	Degree	Subject	University	Year
	Ph.D.	Quantum Field Theory	University of Calcutta	In progress
	M.Phil.	String Theory	TIFR Mumbai	2008
	M.Sc.	Particle Physics	IIT Kharagpur	1999
	B.Sc.	Physics	IIT Kharagpur	1997
PH.D. DETAILS				
7	Title of the Thesis	Aspects of Gauge Invariance (IN PROGRESS)		
	Field of specialization under subject/ discipline	Theoretical High Energy Physics (Gauge Theory)		
8	PREVIOUS POSITIONS/Engagement	Assistant Professor (RKMRC Narendrapur), Guest Lecturer (RKMRC Narendrapur, Charuchandra College, Rammohan College), Assistant Professor (Om Dayal Group of Institutions), High School Teacher (Narmada High School), Teaching Assistant (Cornell University, Ithaca NY USA), Research Fellow (ISI Applied Statistics Unit, DTP-TIFR Mumbai, ISI Physics and Applied Maths Unit, Wilson Synchrotron Laboratory Muon Calibration Group), Analyst (Bank of America)		
9	Google scholar page:	https://scholar.google.com/citations?user=1HSIcZcAAAAJ&hl=en		
10	ORCID ID	0000-0001-7969-1075		
11	HONOURS AND AWARDS	<ul style="list-style-type: none">• Ranked 5 in West Bengal College Service Commission 2013–4• Kanwal Rekhi Scholarship at TIFR from 2002 to 2006• Senior Research Fellowship at TIFR from 2004 to 2008• Junior Research Fellowship at TIFR from 2002 to 2004• Ranked 1 in TIFR Graduate School Admission Test in Physics 2002• Ranked 14 in GATE 2002 (Physics)—percentile score 99.29• Ranked 52 in JEST 2002 (Physics)—percentile score 97.6026• Qualified for JRF through CSIR-NET, December 2001; was shortlisted for the final interview for the S. P. Mukherjee Fellowship• J.C. Ghosh Award in my final year of M.Sc. at IIT Kharagpur, 1998–9 for ranking 1st over four years of study• Encouragement Award at the Jagadis Bose National Science Talent Search Contest 1995• Ranked 1383 in IIT-JEE 1994• Ranked 190 in WBJEE 1994		

		<ul style="list-style-type: none"> • Ranked in top 200 among 21000+ examinees in National Standard Examination in Physics conducted by the Indian Association of Physics Teachers, 1994 • Ranked 6 in a Talent Search Test of the Association for Improvement of Mathematics Teaching, 1992
12	CURRENT RESEARCH PROJECT/Field of Research	Gauge theory (Quantum Field Theory)
13	TECHNICAL UNDERSTANDING AND EXPERIENCE	References available on request, mainly from scientific institutions in India
14	SUMMARY OF RESEARCH EXPERIENCE	Quantum Field Theory, Relativity, String Theory
15	EXPERIENCE OF PROJECT MANAGEMENT	Nil
16	COMPLETE LIST OF PUBLICATIONS (Maintain Harvard Format)	<p>1. Deconstructing a non-Abelian gauge theory Aniket Basu, Parthasarathi Majumdar, Suman Ghosh. Indrajit Mitra Symmetry (MDPI). 7/8/2021 (2021)</p> <p>2. Gauge-invariant matter field actions from an iterative Noether coupling A Basu, P Majumdar, I Mitra Physical Review D 98 (10), 105018 (2018)</p> <p>3. Tachyon Perturbation on Two Dimensional Black Hole A Basu, P Majumdar arXiv preprint arXiv:1308.2734 (2015)</p> <p>4. Dual giant gravitons in AdS_m × Y_n (Sasaki-Einstein) A Basu, G Mandal Journal of High Energy Physics 2007 (07), 014 (2007)</p> <p>5. Tippe top paradox in relativity A Basu, RS Saraswat, KB Khare, GP Sastry, S Bose European journal of physics 23 (3), 295 (2002)</p>
17	Extracurricular Activities	Chess, Cricket
18	Link to personal website (if any)	https://sites.google.com/view/vc-physics/people/aniket-basu