Madhumita Sarkar

T-122, Tegharia main road Minakshi Housing Complex Block-D, Kolkata 700157
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Educational Qualification:

Degree	***Year***	***Board/University***	***Institute***	***Marks(%)***
M.Tech (RPE)	2008	Calcutta University	University College of Science & Technology	71
B.Tech (ECE)	2006	W.B.U.T	Murshidabab College of Engineering & Technology	7.54(CGPA)

Work Experience:

Type of Job	***Organization***	***Designation***	***Duration***
Academic	GNIT	Lecturer	March 17th,2009-June 2009
	BPPIMT	Asst. Prof.	13th June 2009 to till date
Industrial	Tech Mahindra	Associate Trainee	10th October,2008-12th January,2009

Member of Professional Bodies
Life Member FOSET & IST
Research Interests: Optical Communication
Teaching Interest:Optical Fiber Communication,Computer Networking,Telecommunication System,Digital Electronics & Logic Design,Solid State Devices,Basic Electronics
List of Publications:
Books:2
(i) **"***Design of Low Cost Home Security System Using 8085 Microprocessor*" ISBN:978-3-659-85560-3,LAP Lambert Academic Publishing ,Jermany in April'16.
(ii)**"***Study of 2-Dimensional Hot Electron Gas in Quantum Well Structures***"**,ISBN: 978-3-659-36452-5, LAP Lambert Academic Publishing, Jermany, in April 2013.
Journals: 4
1. *Theoretical Investigation of I-V and Mobility Characteristics of 2D GaAs Quantum Well*, Journal of Electronics Devices, Vol. 12,2012,pp. 700-703.
2. *I-V and Conductance Characteristics of Nano-Scale 1D GaAs FETs*, Journal of Electronics Devices, Vol. 13,2012,pp. 957-959.
3.*Monte-Carlo Study of Hot Electron Transport in BULK GaN*, Journal of Electronics Devices, Vol. 18,2013,pp. 1501-1504.
4. *Analytical Modeling of Triple Gate MOSFET* ,International Journal of Semiconductor Science & Technology (IJSST)
ISSN 2250-1576,Vol. 3, Issue 4, Oct 2013, 1-10.
Conferences: 2
Seminar Conference Attended / Organized:
1.Organized seminars/conferences: 03
2.Attended Faculty Development Programmes/seminars: 04