

CURRICULAM VITAE

NAME : SANTANU RAUT

ACADEMIC QUALIFICATION : M.Sc. PhD.

DESIGNATION : Assistant Professor

DEPARTMENT : Mathematics, Mathabhanga College

CATEGORY : UR

PHYSICALLY HANDICAPPED : No

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FATHER'S NAME : NARAYAN RAUT

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NATIONALITY : INDIAN

MARITAL STATUS : Married

SPOUSE NAME : MOUSUMI DHAR RAUT

SPECIALIZATION SUBJECT : PURE MATHEMATICS

NET/SLET ETC. AND IN WHICH YEAR QUALIFIED : NET, DECEMBER 2002

TITLE OF PH.D THESIS, IF ANY : AN APPROACH TO SCALE FREE ANALYSIS AND DYNAMICS



Training Courses , Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programmes

Programme	Duration	Organized by
1.NONLINEAR DYNAMICS	JANUARY 04-24, 2006	DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVT. OF INDIA
2.HYPERBOLIC PARTIAL DIFFERENTIAL EQUATIONS AND CONSERVATIONS LAWS, 2016	AUGUST 10-12, 2016	DEPARTMENT OF APPLIED MATHEMATICS, UNIVERSITY OF CALCUTTA
3.LATEX	AUGUST 29-31, 2016	COOCH BEHAR COLLEGE
4.ORIENTATION PROGRAMME	JUNE 01, 2017 TO JUNE 28, 2017	HUMAN RESOURCE DEVELOPMENT CENTRE, UNIVERSITY OF NORTH BENGAL
5.REFRESHER COURSE IN MATHEMATICS	DECEMBER 07 TO DECEMBER 27, 2018	HUMAN RESOURCE DEVELOPMENT CENTRE, UNIVERSITY OF NORTH BENGAL

Papers presented in Conferences, Seminars, Workshops, Symposia

Title of the Paper presented	Title of Conference / Seminar	Organized by	Whether international / national/state/regional/co
1.SCALE FREE ORDINARY DIFFERENTIAL EQUATION AND NOVEL SOLUTIONS	ADVANCE IN MATHEMATICS, CELEBRATING NATIONAL MATHEMATICAL YEAR, 2012	UNIVERSITY OF NORTH BENGAL	NATIONAL
2.FORMATION OF CANTOR SET , CANTOR FUNCTION USING GOLDEN MEAN PORTION OF UNITY	RAMANUJAN DAY CELEBRATION, 2015	ASSAM ACADEMY OF MATHEMATICS AND DEPARTMENT OF MATHEMATICS, GUWAHATI	NATIONAL
3.SCALE FREE ORDINARY DIFFERENTIAL EQUATION AND TIME ASYMMETRIC INFINITELY DIFFERENTIABLE NOVEL SOLUTIONS	NATIONAL SEMINAR ON RECENT DEVELOPMENTS IN MATHEMATICS AND ITS APPLICATIONS, 2016	DEPARTMENT OF MATHEMATICS, UNIVERSITY OF KALYANI	NATIONAL
4.ULTRAMETRIC SPACE AND CANTOR SETS	APPLICATIONS OF GENERALIZED CALCULUS IN PHYSICS AND APPLIED MATHEMATICS, 2016	JADAVPUR UNIVERSITY AND INDIAN SOCIETY OF NONLINEAR ANALYSIS (ISNA)	NATIONAL
5.SCALE FREE ORDINARY DIFFERENTIAL EQUATION AND CANTOR SET	FRONTIERS IN SCIENCE AND TECHNOLOGY TOWARDS NATIONAL DEVELOPEMENT, 2016	ACHARYA BROJENDRA NATH SEAL COLLEGE, COOCH BEHAR, WEST BENGAL	NATIONAL
6.SOLUTION OF FRACTIONAL WAVE EQUATIONS BY FRACTIONAL CHARACTERISTIC METHOD	RECENT ADVANCES IN BASIC SCIENCE, 2016	ISLAMPUR COLLEGE, ISHLAMPUR, WEST BENGAL	STATE
7.ANALYTICAL SOLUTION OF GENERALIZED FRACTIONAL KDV EQUATION IN FRACTAL TIME SPACE	INTERNATIONAL SEMINAR ON TOPOLOGY, ANALYSIS AND ALGEBRA (ISTAA)-2017	DEPARTMENT OF MATHEMATICS, UNIVERSITY OF NORTH BENGAL	INTERNATIONAL
8.SOLUTION OF SPACE TIME FRACTIONAL K-DV BURGER EQUATION USING FRACTIONAL TRANSFORMATION	CONTEMPORARY DEVELOPMENTS IN SOCIAL AND BASIC SCIENCES IN TIMES OF GLOBAL CRISIS, 2016	SURYA SEN MAHAVIDYALAYA, SILIGURI, WEST BENGAL	INTERNATIONAL

Academic & Administrative Responsibility

Academic & Administrative Responsibility	Employed / Associated with	Duration
SERVED AS A MEMBER OF THE SUB COMMITTEE-(I) LIBRARY SUB-COMMITTEE, (II) IQUAC, (III) PURCHASE AND DEVELOPMENT SUB-COMMITTEE (CONVENER)	MATHABHANGA COLLEGE, MATHABHANGA, COOCH BEHAR.	1 YEARS
SERVED AS A MEMBER OF BOARD OF STUDIES (UG)	COOCH BEHAR PANCHANAN BARMA UNIVERSITY	1 YEARS

Significant Publications

List of some significant publications

S No.	Publication Title	Authors	Journal Name	Journal Volume	Journal Issue	Year	Start-End page
1	THE ARROW OF TIME, COMPLEXITY AND THE SCALE FREE ANALYSIS .	Dhurjati prasad Datta, Santanu Raut	CHAOS, SOLITONS AND FRACTALS. ISSN: 0960-0779	Vol.28	Issue 3	2006	581-589
2	ANALYSIS ON A FRACTAL SET.	Santanu Raut, Dhurjati prasad Datta.	FRACTALS. ISSN:0218-348X, 1793-6543	Vol.17	Issue 1	2009	45-52
3	NON-ARCHIMEDEAN SCALE INVARIANCE AND CANTOR SETS	Santanu Raut, Dhurjati prasad Datta,	FRACTALS. ISSN:0218-348X, 1793-6543	Vol.18	Issue 1	2010	111-118
4	ULTRAMETRIC CANTOR SETS AND GROWTH OF MEASURE	Dhurjati prasad Datta, Santanu Raut	P-ADIC NUMBER, ULTRAMETRIC ANALYSIS AND APPLICATIONS. ISSN: 2070-0466, 2070-0474	Vol.3	Issue 1	2011	7-22

5	DIFFUSION IN A CLASS OF FRACTAL SETS	Dhurjati prasad Datta, Santanu Raut, Anuja Roy Chaudhuri	INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND STATISTICS. ISSN:0973-1377, 0973-7545.	Vol.30	Issue 6	2012	37-52
6	INFLUENCE OF VISCOUS DISSIPATION AND THERMO-DIFFUSION ON DOUBLE DIFFUSIVE CONVECTION OVER A VERTICAL CONE IN A NON-DARCY POROUS MEDIUM SATURATED BY A NON-NEWTONIAN FLUID WITH VARIABLE HEAT AND MASS FLUXES	Rishi Raj Kairi, Ch. RamReddy, and Santanu Raut	NONLINEAR ENGINEERING. ISSN:2192-8029	Vol.7	Issue 1	2017	65-72
7	SOLUTION OF SPACE TIME FRACTIONAL GENERALIZED KdV EQUATION, KdV BURGER EQUATION AND BONA-MAHONEY-BURGERS EQUATION WITH DUAL POWER-LAW NONLINEARITY USING COMPLEX FRACTIONAL TRANSFORMATION	Uttam Ghosh, Santanu Raut, Susmita Sarkar, Shantanu Das	J. MATH. AND COMPUT. ISSN: 1927-5307	Vol.8	Issue 1	2018	114-129
8.	D'ALEMBERT'S SOLUTION OF FRACTIONAL WAVE EQUATION USING THE COMPLEX FRACTIONAL TRANSFORMATION	Uttam Ghosh, Md Ramjan Ali1, Santanu Raut2, Susmita Sarkar1, Shantanu	NONLINEAR SCI LETTERS (ISSN 2519-9072(Online), ISSN 2076-2275(Print))	Vol.9,	Issue 4	2018	299-311

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9.	COMPACTNESS AND REGULARITY VIA MAXIMAL OPEN AND MINIMAL CLOSED SET IN TOPOLOGICAL SPACES	AJOY MUKHA RJEE, SANTA NU RAUT AND KALLO L BHAND HU BAGCHI	Scientific Studies and Research Series Mathema tics and Informati cs. ISSN:206 7- 3566,245 7-497X	Vol.28	Issue 1	2018	5-16