

# Curriculum Vitae

1. Name : **SARAT C. KAKATY**  
 2. Designation : Professor  
 3. Department : Statistics, Dibrugarh University  
 4. Area of Specialization and Research: Stochastic Processes and Regression theory

**5. Education Qualification:** Ph.D.

**6. Teaching Experience:** 38 years ( plus) of P.G. Teaching in Dibrugarh University.  
 18 years as Professor

- 7. Research Experience:** (i) Total number of scholars guided to Ph.D.: 10  
 (ii) Number of scholars guided to M. Phil. : 05  
 (iii) Number of scholars pursuing Ph.D.: 06

**8. (i) Research Publication :** ( best publications in peer reviewed in journal/ up to 10)

Sl. No.	Year, Volume, page	Title	Name of journal
1	2004, Vol. 4 (2), pp. 169-173	Some Potential Pitfalls in Interpreting $R^2$ in econometrics models	Asian-African Journal of Economics and Econometrics,
2	October, 2015, Vol. 6(10), pp. 7061-7066	Analysis of Stock Market Price Behaviour: a Markov Chain Approach	International Journal of Recent Scientific Research
3	July-Aug. 2016, Vol. 7 (4), pp. 6-9	Analysis of brand loyalty using Homogeneous Markov Model	IOSR Journal of Economics and Finance (IOSR-JEF), p-ISSN: 2321-5925
4	2007, Vol. 3(2), pp. 517-524	Deriving Marginal Contribution of Explanatory Variable (s) in regression model	International Journal of Agricult. Stat. Sci.
5	April, 2010, Vol. 61(2), pp. 221-224	Stochastic modelling of the occurrence of rainfall over some districts of Assam during 1987-1992	MAUSAM
6	2017, No. 2, pp. 323-342	A Stochastic Process Approach to Analyse Students' Performance in Higher Education	International Journal of Statistics and Systems, ISSN 0973-2675

		Institutions	
7	March, 2012, Vol. 4(2)	Analysing Dynamics of Movement and Length-of-stay of Patients within a hospital: A Markov chain and a semi-Markov chain approach	International Journal of Academic Research, Baku, Azerbaijan
8	March-April, 2014, Vol. 3 (2), pp. 15-19	Numerical Study of Liquid Metal MHD flow through a square duct	Asian Journal of Current Engineering and Maths,
9	2009, Vol. 27/28, pp.3-14	Distribution of Annual Maximum Rainfall series of North-East India	EWRA, European Water
10	March, 2002, Vol. 16 (1), pp. 107-114	Tracing Relative Importance of Explanatory Variables in Regression using BRING'S approach	Assam Statistical Review

(ii) Keynote address / Paper Presentation / Resource Person in Seminars / Workshops : 40

**9. Books:** (i) 1 (one) Text Book “Mathematical Statistics: Theory and Applications” (for U.G. and P.G. course), 2005.

**10. Other Academic Activities: Served as Resource Person in :** Seminars, Workshops and Refresher Courses.

**11. Extension / Collective Activities:**

- i. Subject Expert: Members of Board of Studies ( U.G. & P.G. course ) in Gauhati University, NEHU, Rajib Gandhi University and Assam University; Member of Selection Committees of Different colleges under D.U. and RMRC (ICMR), Dibrugarh; Member of Selection Committee of G.U., M.U., NEHU and other institutions. The visiting faculty at Manipur University, Tezpur University.
- ii. Editing of Journal: Served as **Editor of Research Journal ‘Assam Statistical Review’ (from 2000 – 2006).**
- iii. Reviewer : Serving as Reviewer of Research articles of several journals of reputation
- iv. Thesis Adjudicator: Serving as a thesis adjudicator (Ph.D. & M.Phil) of several Universities.

**10. Member:**

- i. Member of Assam College NAAC Monitoring Committee, Govt. of Assam (from February, 2022)
- ii. August Court Dibrugarh University (Tenure Completed)
- iii. August Executive Council, Dibrugarh University (Tenure Completed)
- iv. August Academic Council, Dibrugarh University.

- v. August UG Board, Dibrugarh University.
- vi. August Finance Committee, Dibrugarh University (Tenure Completed)
- vii. School Board in Science, NEHU (Tenure Completed)

**11. Administrative Position(s) held:**

- i. Served as Director of Internal Quality Assurance Cell (IQAC), Dibrugarh University: From September, 2011 to March, 2017.
- ii. Serving as HoD w.e.f. 23/04/2004 – 23/04/2007, 23/04/2016 – 22/04/2019; Hostel Warden for Nine years.
- iii. Co-ordinator : Post Graduate Diploma in Statistical Techniques and Computation (**UGC sponsored project ( Innovative Programme ) [ 2006 onwards ]**).
- iv. GB President, DDR College, Chabua from 2016-2021
- v. GB President, Namrup College from 2015-2020
- vi. GB president, Dhemaji College (Continuing from 2021 for five years)
- vii. Dean of Faculty of Science and Engineering, Dibrugarh University from 1st March, 2022 until 3 years is completed
- viii. UGC nominee to GB of Kohima Science College, Jotsama, Nagaland w.e.f. 2020-2021 to 2024-2025.
- ix. UGC nominee to GB of Nowgong College, Nagaon, Assam w.e.f. 2020-2021 to 2024-2025.

**Currently:** Visitor's Nominee to EC, Assam University (April 2023-March 2027)

EC Member, Dibrugarh University (August 2023- March 2025)