R E S U M E

1. NAME   : Dr. (Mrs.) SMITA PRAKASH NABAR

2. Official Address   : Department of Statistics, University of Mumbai,
                                    Vidyanagari, Mumbai 400 098.

3. Residential Address   : 501, Nav Swapna, Santacruz-Chembur Link Road,
                                    Near University Campus, Vidyanagari,
                                    Mumbai 400 098.

4. Telephone   : (O)2652 6604

5. Date of Birth   : 24th February 1951

6. Qualifications   :

DEGREE	SUBJECT	UNIVERSITY	YEAR	CLASS
B.Sc.	Statistics	University of Mumbai	1971	I
M.Sc.	Statistics	University of Mumbai	1973	I

DEGREE	SUBJECT	UNIVERSITY	YEAR	TITLE OF THESIS & SUPERVISOR
Ph.D.	Statistics	University of Mumbai	1982	Bounds for the probability integrals of Various probability distributions under Prof. Y.S. SATHE.

7. Experience   :

YEAR	POSITION	UNIVERSITY/COLLEGE
1973-1975	Demonstrator	Department of Statistics, University of Mumbai
1975-1985	Lecturer	”
1985-Feb 2000	Reader	”
Feb 2000 onwards	Professor	”

8. Subjects taught for M.A./M.Sc.:

a) Measure Theory   e) Multivariate Analysis   i) Operations Research
b) Linear Models   f) Testing of Hypothesis   j) Advanced Probability
c) Estimation   g) Statistical Quality Control   k) Stochastic Process
d) Design of Experiments   h) Reliability

9. Participation in Seminar/Conference/Summer School/Refresher Course/Workshop/Training Programme :

YEAR	PROGRAMME	TOPIC	ORGANIZER	TALK/ROLE
1977	UGC sponsored Conference	Statistics	University of Poona	Participant
Feb 1-2 1986	Seminar	Applications of Operations Research in Industry	Department of Statistics University of Mumbai & Alumni Association	Participant
May 28 to June 8, 1990	Summer Programme	Recent Developments in Statistical Quality Control	I.S.I., Banglore	Participant
Mar 1990	Seminar	Statistical Inference and Survival Analysis	Department of Statistics University of Mumbai	Organizer
Dec 22-25 1993	XIV Annual Conference of I.S.P.S.	Probability and Statistics	Department of Statistics University of Poona	"A Note on three Dimensional Hit Probability of Missile"
Nov 25-26 1994	Seminar	Statistics	Department of Statistics University of Mumbai & Alumni Association	Organizer
Oct 1994	1st Refresher Course	Statistics	Academic Staff College, University of Mumbai	Resource Person
Mar 1995	2nd Refresher Course	Statistics	Academic Staff College, University of Mumbai	Co-ordinator
May 1995	Workshop	S.P.C.	Department of Statistics University of Mumbai & E.R.T.L.	Resource Person
Feb 1997	Conference	Stochastic Processes and Inference	M.S. University of Baroda, Baroda.	Invited Talk on "I Gaussian Distribution"
Feb 1997	Workshop	Research Methodology for socio-economic & demographic surveys	I.I.P.S., Deonar	Participant
Dec 17-20 1997	Seminar	Deliberations in Statistics & Statistics in Industry &Banking	Department of Statistics University of Mumbai	Organizer
Oct 1998	Refresher Course	Instrumental Methods of Analysis	Department of Chemistry Ramnarian Ruia College	Resource Person
Mar 1999	Seminar	Applications of Statistics	Department of Statistics University of Mumbai	Organizer
Jun 11-12 1999	Workshop	Introduction to Surveys	Univ. Dept.of Statistics, Mumbai & Rambhau Mhalgi Prabodhini	Resource Person

Sept 8-9 1999	Training Programme	Linear Programming & Transportation, Quantitative Techniques	Indian Oil Corporation Ltd., Mumbai	Resource Person
Dec 9, 1999	Refresher Course	Recent trends in Numerical Analysis And its Application	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad-431004.	Resource Person
17 Feb. 2000	Seminar	Teaching of Statistics	Department of Statistics University of Mumbai & Alumni Association	Organizer
Oct 18-19, 2000	Exchange of Teachers Scheme of UGC	UMVUE and related problems	Sardar Patel University, Vallabh Vidyanagar.	Invited Teacher
Nov 23-24, 2000	Refresher Course	Computer Applications in Statistics	Department of Statistics Poona University.	Resource Person
Dec 19-21, 2000	International Conference	Statistics, Combinatorics & related areas	I.I.T., Powai, Mumbai.	Participant
March 2001	Seminar	Applications of Statistics	Department of Statistics University of Mumbai	Organizer
Nov 5-7 2001	Conference on AMMS	Inference on P(Y<X) In the Binormal Distribution	Department of Statistics University of Nagpur	Presented Paper
Aug. 11-14 2002	XXII Conference of I.S.P.S.	Acceptance Sampling Plans by Variables for Two Piece Normal Distribution	Department of Statistics University of Pune	Presented Paper
Oct-11-12 2002	Refresher Course	ANOVA	Shivaji University Kolhapur	Resource Person
Jan-29-30 2003	Conference	Cluster Analysis	Vallabh Vidyanagari Anand	Invited Talk
Feb, 15 2003	Seminar	Application of Statistics	Department of Statistics University of Mumbai	Organizer
March- 2005	Refresher Course	Multivariate Analysis	Department of Statistics University of Mumbai	Resource Person
Feb, 28 2004	Seminar	Current Development Analysis	Department of Statistics University of Mumbai	Organizer
Jan, 8 2005	Seminar	Statistical Application To Industry	Department of Statistics University of Mumbai	Organizer
Jan, 28 2006	Seminar	Statistical Application to Data Analysis	Department of Statistics University of Mumbai	Organizer
September 2006	Refresher Course	Factor Analysis	Department of Education University of Mumbai	Resource Person
Feb, 3 2007	Seminar	Statistical Applications To Data Analysis	Department of Statistics University of Mumbai	Organizer
February- 2007	National Level Seminar on Recent Trends in Biomedical Statistics	Role of Inference in Biomedical Statistics	Gujarat University, Ahmedabad	Invited Talk

May 2007	**International Conference**	**On Statistics**	**Department of Statistics University of Mumbai**	**Organizer**
October-2007	**Refresher Course**	**Probability & Applica-Tions (Simulation)**	**Department of Mathemati University of Mumbai**	**Resource Person**
February-2008	**National Conference on Recent Statistical Techniques in Bio-Statistics, Management Sciences, and Related Areas.**	**Risk Management**	**University of Mumbai M.S. University of Baroda**	**Invited Talk**
Feb, 2 2008	**Seminar**	**Statistical Application To Data Analysis**	**Department of Statistics University of Mumbai**	**Organizer**
Sept.,20 2008	**Diamond Jubilee Seminar**	**Recent Developments in Statistics**	**Department of Statistics University of Mumbai**	**Organizer**
August14 2008	**Summer School On Recent Advances in Basic Sciences**	**Tests of Hypothesis**	**University of Mumbai Department of Chemistry**	**Resource Person**
October 21 2008	**K.M.Kundanani College of Pharmacy**	**Bio-Statistics**	**University of Mumbai K.M.Kundanani College of Pharmacy**	**Invited Talk**
November 5 ,2008	**Refresher course**	**Simulation**	**University of Mumbai Department of Statistics**	**Resource Person**
December 2nd ,2008	**Refresher course**	**Simulation and timeseries**	**Gujraat University, Ahmedabad**	**Resource Person**
December 4th 2008	**Course "Statistics And Its Applications to Engineering"**	**Timeseries and Foecasting**	**VJTI**	**Invited Talk**
April 23rd 2009	**Workshop on Research Methodology & Statistics**	**Types of Research, Sampling, and tools of Research**	**SVT College of Home Science, SNDT University**	**Guest Speaker**

10. Research Experience:
Summary of Research Experience

Number of Students Guided		Research Papers		
Ph.D.	**M.Phil**	**Published**	**Unpublished**	**Presented in Conf./Seminar**
3	**11**	**22**	**6**	**7**

Details given below

A] Research Guidance for Ph.D Students
 Three Students have completed Ph.D.

Name of the student	Topic	Year
Mrs.Sheela Barpande	Some problems in Statistical Inference With special reference to Binormal Distribution	2003
Ms. Amita Dalvi	Change point distributions and related problems in Statistical Inference	2007
Mrs.Shailaja Deshmukh	Study of Bilognormal and Two piece logistic distribution	2008

B] Research guidance for M.Phil. Students
    Successfully guided the following M.Phil. students-

NAME OF STUDENT	TOPIC	YEAR
Mrs. S.P. Barpande	Bayesian Single Sampling Plan by Attributes for Discrete Prior Distribution	1984
Mrs. P.A. Sapre	Estimation of Population Mean by using Auxiliary Information with specific reference to the Ratio Method of Estimation	1985
Mrs. V.G. Takle	Knapsack Problem: A Survey of Solutions and Application Studies	1988
Mrs. S.C. Deshmukh	Stein-type Estimators of the Mean Vector of a Multivariate Normal Distribution	1988
Mrs. P.P. Khandeparkar	The Capture-Recapture Models	1989
Shri I.I. Rupani	Tolerance Limits	1990
Mrs. Shobha Bilgi	The Inverse Gaussian Distribution	1991
Mrs. Panigrahi	Economic Design of Control Charts	1991
Mrs. Jigisha M.Randeria	Optimality and Uniquencess of Statistical Estimating Function	1992
Shri Hegde N.R.	Statistical Inference of $Pr[Y<X]$ in Normal and Exponential Cases	1994
Shri V.M. Mathew	Circular Error Probabilities	1995

C] At present working on some problems on Two Piece Distributions.
D] Completed a research project sponsored by U.G.C. on Circular Error Probabilities with
    Dr.(Mrs.) S.M. Joshi and Shri T.M. Murdeshwar.
E] Completed UGC Minor Research Project 'Study of two piece lognormal distribution'.

11. Membership of Academic Bodies:
   a. **Indian Society for Probability and Statistics, India.**
   b. **Indian Statistical Association.**
   c. **Indian Association for Study of Population.**
   d. **Elected as member of the Governing Council of Indian Statistical Association during 1999**

12. Membership of Academic Bodies of University:

a. Board of Studies in Statistics, University of Mumbai, 1992-95 and January 1997–July 2001.August-2007 Onwards.
b. Faculty of Arts, Science and Commerce, Sept. 2000 to July 2001, August-2007 Onwards.
c. Board of University Teaching and Research, Sept. 2000 to July 2001,August-2007 Onwards.
d. Research and Recognition Committee, Sept. 2000 to July 2001,August-2007 Onwards.
e. Academic Services Unit for Central Computing Facility, Sept. 2000 to July 2001.
f. Member of Board of Studies in statistics of M. S. University Baroda.(2005-2008)
g. Faculty member of M.S. University Baroda.(2005-2008)

13. Administrative Experience:

a. Warden of Ladies Hostel, University of Mumbai, 1989-93.
b. In-charge Head, Department of Statistics since July 1998-Aug 1999.
c. Head, Department of Statistics w.e.f. 1st September, 1999-July 2001.August-2007 Onwards.

14. Worked as Referee/Examiner/Expert/Advisor for:

(1) Mumbai University
(2) U.P.S.C.
(3) M.P.S.C.
(4) Other Universities (Pune, Nagpur, Kerala,
(9)SBI
    Osmania,Calcutta.)

(5) R.B.I.
(6) C.S.I.R.
(7) I.I.T.
(8) J.I.S.A., J.G.S.A. ,Statistical Papers

15. Unpublished Work:

a. (with Dr. S.M. Joshi) A note on three-dimensional hit probability.
b. (with Dr. S.M. Joshi and Mangala Shah) Inequalities relating to the incomplete Gamma function and the Mill's Ratio.
c. (with S.P. Barpande) Binormal distribution as a lifetime distribution.
d. (with S.P. Barpande) Sequential Probability Ratio Test for the mode of the Binormal Distribution and its Robustness.
e. Sampling Plan by variables for Bi-Laplace Distribution
f. Epsilon Skew Laplace Distribution.

16. Other Achievements:

a. Analyzed the data of survey "Participation of Women in Power".
b. Analyzed the data from Lubrizol India Ltd.
c. Worked on a project "Status of States according to selected socio-economic indicators".
d. Associated with Biotechnology course of University of Mumbai.
e. Associated with the M.C.A. course of S.N.D.T. University.
f. Successfully worked on Projects of IMS Health, Wochardt and some pharmaceuticals.
g. Successful in establishing partnership with Novartis and getting SAS system donated to our Department from them.
h. Worked as consultant for IPCA, Aventis, Nicholas Piramal.
i. Invited to give lectures for Post Graduate Diploma in Pharmacy Managaement at N.M.I.M.S. (September 2005)
j. Appointed by UPSC as Chief Examiner for Indian Statistical & Economic Service Examination.

k. Invited to deliver lectures on Biostatistics to M.Pharm. Students at Principal K.M. Kundnani College of Pharmacy in October 2006-2007
l. Invited to give lecture on Statistics at Sophia College October 2006
m. Worked as Placement Co-ordinator Department of Statistics from 2001-2007.
n. Member of Research & Advisory Committee of S.I.E.S.College of Arts , Science & Commerce

17. Research Publications:

1. (with Y.S. Sathe) On Bounds for the Pearson Type IV Probabilities, Commun. in Statist. Theory and Methods, 1979, Vol.A8(6), pp.533-541.
2. (with Y.S. Sathe) A note on the Inequalities for Tail Probability of the Multivariate Normal Distribution, Commun. in Statist. Theory and Methods, 1980, Vol.A9(7), pp.711-715.
3. (with Y.S. Sathe) Bounds for the Confidence Coefficients of outer and inner confidence intervals for Quantile Intervals, Journal of the American Statistical Association, 1981, Vol.76, No.374, pp.473-475.
4. A note on the Bounds for the probability integral of Bivariate Dirichlet Distribution, Journal of the Indian Statistical Association, 1988, Vol.25, pp.39-43.
5. (with S.M. Joshi) Estimation of the Parameter in the problem of the Nile, Commun. in Statist. Theory and Methods, 1987, Vol.17, No.11, pp.3149-3156.
6. (with S.M. Joshi) Linear Estimators for the Parameter in the problem of the Nile, The American Statistician, 1989, Vol.43, No.1, pp.40-41.
7. (with S.M. Joshi) Sequential Analysis Applied to Testing the Scale Parameter in the problem of the Nile, Commun. in Statist. Theory and Methods, 1989, Vol.18, No.1, pp.239-243.
8. (with Y.S. Sathe and S.M. Joshi) Bounds for Circular Error Probabilities, Naval Research Logistics, 1991, Vol.38, pp.33-40.
9. (with Y.S. Sathe, S.M. Joshi and T.M. Murdeshwar) Computation of Circular Error Probabilities, Commun. in Statist. Theory and Methods, 1991, Vol.20, No.1, pp.33-40.
10. (with S.M. Joshi) Testing the Scale Parameter of the Exponential Distribution with known Coefficients of Variation, Commun. in Statist. Theory and Methods, 1991, Vol.20, No.2, pp.747-756.
11. (with Shobha Bilgi) Cumulative Sum Control Chart for the Inverse Gaussian Distribution, Journal of Indian Statistical Association, 1994, Vol.32, 9pp.9-14.
12. A Sequential Sampling Plan for the Scale Parameter of the Inverse Gaussian Distribution, Journal of Indian Statistical Association, 1994, Vol.32, pp.117-121.
13. Cumulative Sum Control Chart for the Scale Parameter of Inverse Gaussian Distribution, Statistical Inference and Design of Experiments (U.J. Dixit and M.R. Satam Ed.), Narosa Publishing House, 1999, pp.55.
14. Acceptance Sampling Plans by Variables for Inverse Gaussian Distribution. Sent for publication.
15. (with S.P. Barpande) A note on the maximum likelihood estimator of the mode of the binormal distribution BIN($\sigma,\mu,k\sigma$). JISA December, 2001.
16. (with S.P. Barpande) Inference on P(Y<X) in the Binormal Distribution. IAPQR TRANSACTIONS. Vol.28,1 (2003)
17. (with S. C. Deshmukh) on estimation of parameters of bilognormal distribution, Journal of Indian Statistical Association.(2002)
18. (With S. C. Deshmukh) 2004 Two- Piece Logistic Distribution Journal of the Indian Statistical Association Vol. 42,1,2004,79-85.
19. (with A. C. Dalvi) 2005 Sequential Prabability Ratio Test for the location Parameter of the Bilognormal distribution. Gujarat Statistical Review, Vol.31 (2004) and vol. 32(2005)

20. (with S. C. Deshmukh) 2006 The Epsilon-Skew Exponential Power Distribution, Journal of Indian Statistical Association, Vol.44,1,2006,1-15

Other Publications:

1. Analytical Method Validation regression and correlation in Linearity Parameters.IDMA-APA Forum (March 2005)
2. S.P. Nabar and J. J. Sipahimalani Performance of a Laboratory in Proficiency Testing Evaluatin by Z-score:4 Easy Steps. IDAMA Bulletin (March 2004).

18. Papers Presented at Seminar / Conference

1. (with S.M.Joshi) A note on Three Dimensional Hit Probability of Missile (December 1993)
   Presented by S.P.Nabar at XIV Annual Conference of I.S.P.S. on Probability and Statistics, Department of Statistics, University of Pune.

2. (with S.P. Barpande) Inference on P (Y<X) in the Binormal Distribution (November 5-7-2008) Presented by S.P.Barpande at the Conference on AMMS, Department of Statistics University of Nagpur.

3. (with S.P. Barpande) Acceptance Sampling plans by variables for Two Piece Normal Distribution (August 11-14-2002) Presented by S.P.Barpande at the XXII Conference of I.S.P.S., Department of Statistics University of Pune.

4.(with S. C. Deshmukh) Reliability of Bilognormal Distribution (December 2001) Presented by S. C. Deshmukh at the I.S.P.S. Conference on Statistics, Department of Statistics University of Chandigarh.

5.(with S. C. Deshmukh) The Epsilon skew Distributions (2007) Presented by S. C. Deshmukh at the International Conference on Statistics, Department of Statistics University of Mumbai.

6.(with S. C. Deshmukh) Skew Distributions involving inverse Scale factor (2008) presented by S. C. Deshmukh at the International Conference on statistics and Applications in OR, Computer Science Management / Life sciences in Conjuctin with the XXVII Annual Convention of Indian Society for Probability and Statistics. Department of Statistics, Nagpur University

7.(with A.C.Dalvi) The Epsilon skew Laplace Distribution (February 2008) Presented by A.C.Dalvi at the National Conference on Recent Statistical Techniques in Bio- Statistics, Management Sciences, and Related Areas at M.S.University, Baroda.