WORKSHOPS, CONFERENCES AND SYMPOSIA

1. Participated in the conference in honour of Prof. S. Mac-Lane at Aspen, Colorado, June 20-24, 1978.
2. Presented a paper on *'Degree one maps'*, at the Topology Conference at Department of Math. University of Edmondon, August 15-17, 1978.
3. Invited speaker at AMS Conference Algebraic Geometry at Bowdoin, Maine, Sept. 1985. Presented a paper on *'Divisors at Infinity on a Surface'*.
4. Expert participant in the UGC sponsored Instructional school on Algebraic Topology, at NEHU, Shilong, June 1985. Gave several lectures on elementary Algebraic Topology.
5. Expert participant in the UGC sponsored Instructional school on Algebraic Topology, University of Allahabad, Feb. 1986. Gave several lectures on Surgery Theory.
6. Participated in the Instructional Conference on 'Operator Algebras' organized by Indian Statistical Institute Bangalore, during 11th-30th June 1990.
7. Invited participant at Conf. in Geometry and Analysis, Tokyo, June, 1990.
8. Presented a 10-minutes communication on *Presentations of knots by Polynomials,* at ICM-90, Kyoto, Aug. 1990.
9. Participated in the Summer School on Number Theory at Bhaskaracharya Pratisthana, Pune, 10-29 June, 1991.
10. Invited participant in the Instructional Conference on Elliptic Curves, at TIFR, Bombay, 30th Sept. to 18th Oct. 1991.
11. Expert participant in the UGC-NBHM sponsored Workshop on 'Novikov Conjecture' at ISI Calcutta, Dec. 7-22, 1992. Gave six lectures on *'Surgery and s-Cobordism'.*
12. Invited speaker at the 'Conference on Real Algebraic Geometry' at Math. Department of University of Pisa, in the Aug. 1995. Presented a talk on *'Topology of Infinity on a Surface'.*
13. Presented a paper on *'Rubber Band Physics'* as an invited speaker, at the 'Conference on Geometry and Physics' at IISC, Bangalore, during December 1996.
14. Invited participant at the 'Conference on Algebraic and Differential Geometry' organized by TIFR, Bombay, in honour of sixtieth birthday of Prof. R. Ramanan, during 17-23 July 1997.
15. Invited participant at the 'Conference on Complex Analysis and Related Areas' organized by TIFR, Bombay, in honour of sixtieth birthday of Prof. R. R. Simha, during 29-31 December 1997.
16. Invited speaker at the 'Conference in Commutative Algebra and Algebraic Geometry' in Kodaikanal, organized by TIFR Bombay, during March 23-17, 1998. Presented a paper on *'A shorter proof of rationality of Z-homology planes'*.
17. Presented a paper on *'Zeros of a* $0-1$ *polynomial'* at the National Symposium on Analysis and Its Applications at Dept. of Mathematics, University of Dharwar, 8-10 June 1998.
18. Presented a paper on *'Fundamental Theorem of Algebra'* at the National Seminar on Foundations and Frontiers of Mathematics and Applications, organized by Dept. Mathematics, Shree Sharanabasaveshwara College of Science, Gulbarga, 30-1-99 to 1-2-99.
19. Resource person in the NBHM sponsored Workshop on Complex Dynamics, at Dept. Math. Uni. Mumbai, 10-28 June 1999 and gave seven lectures on Poincare'-Hurwitz formula.

20. Member of the Academic advisory committee for the Workshop on Algorithms in Invariant Theory and Algebraic Geometry at Dept of Mathematics, Uni. Pune, sponsored by NBHM and Bhaskaracharya Prathisthana. Also gave 10 lectures in this workshop on Geometric Invariant Theory.
21. Invited participant in the International colloquium in Algebra, Arithmetic and Geometry at TIFR during 4th Jan to 12th Jan. 2000.
22. Convenor of International Workshop on Trends in Commutative Algebra at our department during 13th Jan to 15th Jan. 2000.
23. Faculty for NBHM nurture program at school of Mathematics TIFR during 25th June to 22nd July 2000—taught Complex Analysis. (18 hours)
24. Coordinator of Topology at AFS-II held at HRI Allahabad, during 3rd Dec to 30th Dec 2004, gave six lectures on Basic Algebraic Topology.
25. Local Coordinator for AIS in Commutative Algebra and Algebraic Geometry , at IIT Bombay during 4th-30 July 2005. Academic Convener of AIS in Topology at ISI Kolkata during December 2005, gave 6 lectures on various topics in Differential and Algebraic topology
26. Academic Convener of ATML on Complex Analysis at Bhaskaracharya Institute of Mathematics, Pune from 14th May to 26th May 2007, gave six lectures on various topics in basic complex analysis.
27. Expert Faculty at AIS in Algebraic Topology at IMSc, Chennai,gave six lectures on Spectral Sequences.
28. Gave a lecture on Algebraic Topological proof of Fundamental Theorem of Algebra, at ATML in Real Analysis at, Alagappa Univ. Karaikudi, Tamilnadu, on 11th June 2007.

OTHER LECTURES

1. Gave several popular talks in mathematics in various colleges, form time to time.
2. Visited Dept. of Mathematics, Univ. of Kolhapur under UGC Sponsorship and gave a short course on Vector Bundles.
3. Visited Dept. Math., Univ. of Pune under UGC sponsorship and gave several lectures on selected topics in Topology.
4. Visited Department of Mathematics, Karnatak University Dharwar and gave several talks on selected topics in Complex Analysis.
5. Invited to deliver the annual Prof. Huzurbazar Memorial Lecture, by Bombay Mathematical Colloquium, at Dept of Math., Uni. Mumbai, Oct. 1994