

Dr. Vinaykumar Vishwanth Acharya

Present position

- Associate Professor

Contact Details (Mention e-mail) – fergusson.edu or despune.org

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Work Experience

- Teaching: 30 years
- Research/Industrial: 10 years

Personal Profile

I am interested in teaching Mathematics. I make use of different techniques while teaching Mathematics. I have written books on various courses that I have taught. I share the books while teaching a particular course. I am also involved in training the students for Mathematical Olympiad. I was deputy leader of the Indian team in International Mathematical Olympiad in 2003, 2004 and an observer in 2013. I have also worked as a member of the project done for IMDR, Pune by students of M. Sc. (IMCA).

Course(s) Taught (Only Titles)

1. Differential Geometry
2. Vector Calculus
3. Calculus of Several Variables
4. Linear Algebra
5. Number Theory
6. Real Analysis I and II
7. Complex Analysis I and II
8. Operations Research
9. Optimization Techniques
10. Differential Equations
11. Partial Differential Equations
12. Group Theory
13. Ring Theory
14. Metric Spaces I and II
15. Financial Mathematics I and II
16. Dynamics
17. Combinatorics
18. Algebra
19. Geometry
20. Calculus I and II

- 21. Commutative Algebra
- 22. Algebraic Number Theory
- 23. Design and Analysis of Algorithms

Field of Specialization/Areas of Interests

- Number Theory
- Financial Mathematics
- Teaching of Mathematics

Education

- **Ph.D. – (subject name):** from 1990 to 1997
Title of the Thesis: Cyclotomic Numbers of order $2l, l$ an odd prime
Name of University / Institution: Pune University
Year of Award 1997
- **Master of Science- (Mathematics):** 1990
 Department of Mathematics, University of Pune, Pune
- **Bachelor of Science- (subject name):** 1988
 Fergusson College, University of Pune, Pune

Fellowship/Awards/ Certifications/Achievements/Recognitions

1. NBHM fellowship for M. Sc. students 1988-1990
2. UGC Fellowship and Lecturership (1989)
3. NBHM Fellowship 1990-1992

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
<ul style="list-style-type: none"> • Worked as a Finance controller and member of CDC of the college • Worked as ERP coordinator of the college as well as DES. 	Member of Indian Mathematical Society	Life Member, DES CDC Member of BMCC CDC Member of IMDR School Committee member of New English School, Tilak Road School Committee member of Dravid Highschool, Wai School Committee member of Ramesh Garware School, Wai
•	<u>Trustee Bhaskaracharya Pratishthana</u>	Currently, Member of Board of Studies at Fergusson College, Pune
•		Currently, Member of Board of Studies at Mithibai College, Mumbai
•		Worked as Member of Board of Studies at S. P. College, Pune
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Employment History

- 1) **Organization** : Department of Mathematics, SPPU, Pune
Role : Assistant Professor
Duration : 2002-2003

Responsibilities	<ul style="list-style-type: none">• Teaching
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- 2) **Organization** : Computational Mathematics Laboratory, TIFR, Pune
Role : Scientific Officer E
Duration : 2003-2004

Responsibilities	<ul style="list-style-type: none">• Teaching• Research
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Research Publications in National and International Journals

1. Cyclotomic numbers of order $2l$, l an odd prime, Acta Arith. 69 (1995), 51-74 (with S. A. Katre).
MR 95j:11115

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1	Annual Foundation School (I)	Bhaskaracharya Pratishthana	Organizer and Speaker	30 Nov- 26 Dec 2015
2	Annual Foundation School (II)	Bhaskaracharya Pratishthana	Organizer and Speaker	16 May – 11 June 2016
3	Annual Foundation School (II)	Bhaskaracharya Pratishthana	Organizer and Speaker	8 May – 3 June 2017
4	Annual Foundation School (I)	Bhaskaracharya Pratishthana	Organizer and Speaker	4 Dec – 30 Dec 2017
5	Annual Foundation School (II)	Bhaskaracharya Pratishthana	Organizer and Speaker	27 May -22 June 2019
6	Instructional School for Teachers	Bhaskaracharya Pratishthana	Organizer and Speaker	5 Dec- 17 Dec 2022

All these events were funded by National Center of Mathematics.

Additional skills/Activities

1. LaTeX

Course Content Developed (e-content)

1. F. Y. B. Sc. Calculus I and II
2. F.Y.B. Sc. Algebra
3. F.Y.B. Sc. Geometry
4. S.Y.B. Sc. Calculus of several variables
5. S.Y.B. Sc. Differential Equations
6. S.Y.B. Sc. Vector Calculus
7. T.Y.B. Sc. Differential Geometry
8. T.Y.B. Sc. Metric Spaces
9. T.Y.B. Sc. Group Theory
10. T.Y.B. Sc. Group Theory
11. T.Y.B. Sc. Number Theory

Consultancy Services

1. Currently working with one of our alumni on Examination related module. The prototype is ready.

