

यथा शिखा मयराणां, नागानां मणयो यथा।
तद् वद् वेदाङ्गशास्त्राणां गणितं मूर्धनि स्थितम्॥



Sardar Patel University

(NAAC A Grade)

Vallabh Vidyanagar

DEPARTMENT OF Mathematics

(Estd: 1958)

UGC-SAP-DRS-III (2015-16 to 2019-20)

<https://www.spuvvn.edu/academics/departments/mathematics/>

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Location





Academic Programmes and Courses Offered

1 M. Sc. (Mathematics)

Program Type	Intake	Fees			
		Sem-1	Sem-2	Sem-3	Sem-4
Grant in Aid	60	2430	1530	1530	1530
Self-Financed	20	11600	10800	10800	10800

2 Ph. D (Mathematics) (Full Time and Part Time)

Courses Offered at M.Sc.

Core: Complex Analysis, Topology, Functions of Several Real Variables, Linear Algebra, Methods of PDE & ODE, Real Analysis, Algebra, Differential Geometry, Functional Analysis I, Mathematical Methods

Electives: Python Programming and Mathematical Algorithms, Mathematical Probability Theory, Number Theory and Cryptography, Group Theory, Banach Algebras, Operator Theory, Graph Theory, Mathematical Classical Mechanics, Relativity, Problems and Exercises in Mathematics, Financial Mathematics



Faculty Members

Name	Designation	Experience	Research Papers	Citations
Prof. A.H. Hasmani	Professor	33	44	146
Prof. H.V. Dedania	Professor	25	53	250
Prof. J.C. Prajapati	Professor	23	75	1080
Dr. H.S. Mehta	Associate Professor	32	41	88
Dr. S.J. Ghevariya	Associate Professor	16	17	61
Dr. J.G. Mehta	Assistant Professor	08	17	79
Mr. K.R. Baleviya	Assistant Professor	06	01	-
Dr. M.H. Chudasama	Assistant Professor	10	11	13
Dr. N.S. Rabari	Assistant Professor	14	04	11
Dr. P.G. Patel	Assistant Professor	13	35	178
Dr. R.R. Panchal	Assistant Professor	09	13	31

For more details:

<https://www.spuvvn.edu/academics/departments/mathematics/faculty/>



Teaching-Learning-Evaluation

Evaluation Process and Reforms

- Continuous Evaluation
- Test, Quiz, Seminar and Assignment
- Timely assessment and declaration of results
- Centre for NBHM Tests for M.Sc. and Ph. D. Scholarships
- Answer books are shown and reevaluated if required
- Practical and Comprehensive Viva
- **Conceptual clarity, Comprehension of theory,**
- **Techniques and their Applications are continuously monitored**
- **Cabins are provided to Ph.D. students with a PC and printing facility**
- **Practical Training on Computers: 1-student:1-computer**





Research, Consultancy and Extension

Promotion of Research

- NBHM Regional Library (WR) – Under the auspices of Department of Atomic Energy, GoI
- Sophisticated Equipment: Computer Lab (75 computers), 12 Laser Printers, 2 Photocopying Machines, 4 Multi Functional Printers, 12 Laptops
- Computation Facility for research: MatLab, Mathematica, LaTeX, MACSYMA, MS Office 2019 (License version)

Thrust Area of Research

- Functional Analysis
- Relativity
- Graph Theory
- Financial Mathematics
- Special Functions
- Cryptography
- Approximation Theory





Student Support & Progression

- **Weekly students' seminar.**
- **Department is a center for NBHM Scholarship tests.**
- **All classrooms with LCD projectors.**
- **Interactive LED board.**
- **Internal examination comprising of test, assignment, seminar**
- **Separate common room for girls.**
- **Spacious AC auditorium.**
- **Common university facilities like,
Swimming pool, gymnasium, hostels**

In last 5 years

- **Number of students progressed to Ph.D. : 26**
- **Number of students cleared NET-JRF/SLET/NBHM : 59**



Research Output

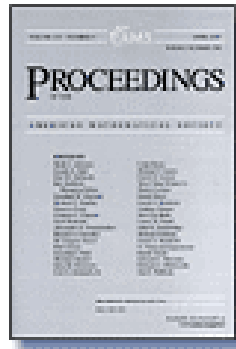
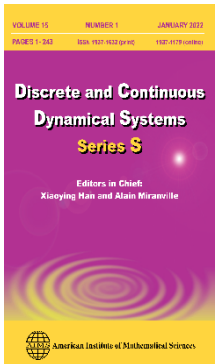
Academic Year	No. of Publications
2018-19	14
2019-20	18
2020-21	18
2021-22	11
2022-23	13
2023-24	15

Number of Research Papers (2016-2022) : 94

Number of Books/Book Chapters (2016-2020) : 9

Journal Impact Factor Range : 0.1-2.8

Number of Citations (2017-2021) : 1355



Name of Journal	IF
General Relativity and Gravitation	2.8
Discrete and Continuous Dynamical Systems Series-S	1.865
Annals of Functional Analysis	0.993
Proc. American Math. Soc.	0.813
Journal of Interdisciplinary Mathematics	0.638



Library Resources

Departmental Library Facilities

Number of Books : 10,373 Journals : 18

Year	No. of Books/Journals Added
2016-17	761/60
2017-18	201
2018-19	1060+2129(E books)
2019-20	32
2020-21	312
Total	4591



The Library is enriched due to the grants from National Board for Higher Mathematics. The total grant received so far is in tune of Rs. 600 lakhs.

- Access to more than 250 journals through UGC (INFLIBNET up to 2019)



Alumni Association

- Mathematics Alumni Association (Estd. :2004)
- Number of Life Members (**Total Members – 82**)

☐ Some Proud Alumni

Name	Affiliation
Prof. V.A. Patel	Humboldt State University (USA)
Prof. V. D. Pathak	Former Pro VC (MSU)
Prof. N. Dadhich	Former Director (IUCAA)
Dr. B. P. Patel	Registrar (SPU)
Prof. V. O. Thomas	M. S. University
Dr. H. C. Patel	Registrar (IITE - Gandhinagar)
Dr. Shruti Mehta	IPS, SP Gujarat Police Bhavan
(Late) Prof. S. J. Bhatt	FASc, UGC Emeritus Fellow (SPU)
(Late) Prof. P. B. Ramanujan	Saurashtra University



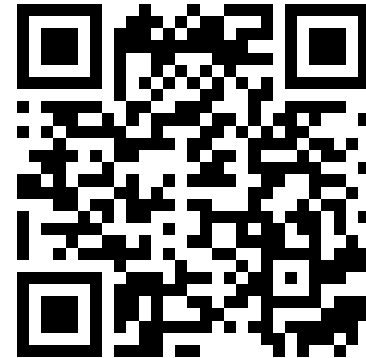
Contact Us

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Thank You