

## Faculty members

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**M.N. Mehta**

**Professor of Mathematics**

Ph.D., 1977, South Gujarat University, Surat, India

[mnm@ashd.svnit.nic.in](mailto:mnm@ashd.svnit.nic.in)

Contact No:91-261-2201541

**Research interests:**

Fluid dynamics through porous media with relevance to ground water flow and petroleum recovery, Numerical Technique & Mathematical Modeling applied to Engineering problems



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**A. K. Shukla**

**Assistant Professor of Mathematics & Head**

Ph.D., 1996, Aligarh Muslim University, India

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Contact No: 91-261-2201545

**Research interests:**

Special functions, Integral transforms & Fractional Calculus



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**V.H. Pradhan**

**Assistant Professor of Mathematics**

Ph.D., 1996, South Gujarat University, Surat, India

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Mobile: +919824062307

**Research interests:**

Fluid dynamics in porous media with relevance to ground water flow and petroleum recovery, Numerical techniques

**Research description:**

- Mathematical Modeling of the problems of fluid flow through porous media
- Application of Finite Differences Method & Finite Elements Method to the problems of fluid flow through porous media
- Stability and accuracy of numerical schemes



## Neeru Adlakha

### Assistant Professor of Mathematics

Ph.D., 1994, Jiwaji University, Gwalior, India

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#### **Research interests:**

**Mathematical and Computational Biology, Bioinformatics/ Biomatematics/ Biocomputing, Data mining, Finite element modeling**

#### **Research description:**

- **Thermal Modeling of Cancer and development of analytical & numerical methods for solution**
  - **Computational neuroscience and development of analytical & numerical approaches for solution**
  - **Computational approaches for analysis of molecular sequences, molecular evolution and molecular modeling**
  - **Computational approaches on association rule mining using discrete mathematical techniques**
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## H.P. Bulsara

### Lecturer in Economics & Management

Ph.D. (pursuing), B.E. (Production), 1997, SVNIT, Surat, India

MBA (Marketing, CIS & International Business), 2000, VNSGU, Surat, India

FDPM, 2007, IIM Ahmedabad, India

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#### **Research interests:**

**Techno innovation to Techno entrepreneurship through Techno Business incubation, General Management, Entrepreneurship, Marketing**

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## Ramakant Meher

### Lecturer in Mathematics

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**Research interests:**

**Computational Fluid dynamics , Fluid Flow through Porous Media**

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**Ranjan Kumar Jana**  
**Lecturer in Mathematics**

**M. Sc., 2003, V.U., India**

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**Contact no.: 91-261-2201549.**

**Research interests:**

**Optimization Techniques – Weather forecasting using optimization techniques. Special Function, Cryptography.**



**V. N. Mishra**

**Lecturer in Mathematics**

**Ph.D., 2007, IIT Roorkee, India**

**[vnm@ashd.svnit.ac.in](mailto:vnm@ashd.svnit.ac.in)**

**Contact no. (0261)2201542**

**Research interests:**

**Real/Functional analysis**

**Research description:**

- ▶ **Trig' Approx Functions in LP/ Spaces using Summability Techniques**



**Urvashi Kaushal**

**Lecturer in English**

**Ph.D.,2004, DEI, Agra, India**

**[k.urvashi@ashd.svnit.ac.in](mailto:k.urvashi@ashd.svnit.ac.in)**

**Mobile: +919998218126**

**Research interests:**

**Post Modern Fiction, Indian English Fiction and Feminist Literature, Themes in Diaspora literature**

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**Twinkle R. Patel**  
**Lecturer in Mathematics**  
Ph.D., 2008, SVNIT, Surat, India  
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Mobile: +919898374543



**Research interests:**

**Fluid Dynamics in porous media, Integral Transformation**

**Research description:**

- ▶ **Non-linear Burgers' equation arising in problems of fluid flow through porous media**
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**Dhananjay Gopal**  
**Lecturer in Mathematics**  
Ph. D., GG University Bilaspur  
[Gopal.dhananjay@rediffmail.com](mailto:Gopal.dhananjay@rediffmail.com)  
[gopaldhananjay@yahoo.in](mailto:gopaldhananjay@yahoo.in)



**Research interests:**

**Real/Functional analysis, Fuzzy set theory**

**Research description:**

- ▶ **Fixed Point Theory**
  - ▶ **Fuzzy Analysis & its applications**
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**Sushil Kumar**  
**Lecturer in Mathematics**  
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Mobile: +919510704151



**Research interests:**

**Mathematical modeling, Moving Boundary Problems, Biomechanics, Numerical Techniques**

**Research description:**

- ▶ **Modeling of heat transfer problems with as well as without phase change in engineering and biology.**
  - ▶ **Application of Finite Difference Method to MBP in biology (Cryosurgery) and alloy**
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### **Teaching Assistant**

1. Dr. (Mrs.) Manisha Patel (2009-10)
2. Dr. (Mrs.) Saroj Yadav (2009-10)

### **Faculty over Years**

D. B. Gupte	1962 -1970
B. N. Vyas	1963 - 1996
D. K. Patwardhan	1963 - 1994
B. K. Balkrishnan.	1965 - 1967
N. C. Soni	1966 - 1987
N. L. Kalthia	1967 - 1987
A. Dabhi	1968 - 1970
R. N. Parikh	1968 - 1996
J. B. Vyas	1968 - 1996
A. B. Balsari	1969 - 2001
A. P. Verma	1970 - 1997
V. P. Saxena	1971 - 1980
A. C. Gandhi	1972 - 1997
J. P. Sharma	1972 - 1976
P. A Gajjar	1996 - 2002