



# Dr. JANKI VASHI

M.Sc., Ph.D.



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jankivashi

'Want to use my knowledge and skills to enrich the work environment and to gain a well-ranked position in the field of Mathematics'



## ADDRESS

19, Bharatnath society,  
Laxmikant Ashram road,  
Katargam,  
Surat-395004  
Gujarat (INDIA)



## EDUCATION

- **Ph.D.**  
Mathematics  
Department of Mathematics  
VNSGU (Surat)  
2012 - 2016
- **M.Sc.**  
Mathematics  
Department of Mathematics  
VNSGU (Surat)  
86.40 %
- **B. Sc.**  
Mathematics  
P T Science College  
VNSGU (Surat)  
86.22 %



## SKILLS

- MS office
- Matlab
- Software installation



## RESEARCH EXPERIENCE

### Ph.D. | 2012-2016

"A Study Of Laplace and Sumudu Transforms and Their Applications to Mathematical Problems in Different Discipline"

- Worked for the Ph.D. degree awards under the guidance of Prof. Dr. M.G.Timol on Integral transforms like Laplace and Sumud and their applications. I had also worked on Fractional calculus and fractional Laplace and Fractional Sumudu transform.



## WORK EXPERIENCE

### Head of Department | Apr 2014 - June 2022

Bhagwan Mahavir Polytechnic  
Surat

#### ○ Key Profile:

- All type of academic work including lecturers and exams.
- The development of learning materials, preparing schemes of work.
- Maintaining records to monitor student progress & achievement.
- Organise & Participate in departmental and Faculty Development seminars aimed at sharing research outcomes and building interdisciplinary collaboration within and outside the department.
- Chairman of Internal Complaint Committee.
- Head of Admission Consulting Committee.
- Member of Women Development Cell

### Lecturer | Aug 2008 - Apr 2014

Bhagwan Mahavir Polytechnic  
Surat

#### ○ Key Profile:

- All type of academic work including lecturers and exams.
- Maintaining records to monitor student progress & achievement.

### Lecturer | June 2008 - Aug 2008

T. N. Patel P.T.C College  
Surat

#### ○ Key Profile:

- All type of academic work including lecturers and exams.
- Maintaining records to monitor student progress & achievement.

## REFERENCES

- **Dr. M.G.Timol (Ph.D.)**  
Professor  
Department of Mathematics  
VNSGU  
Surat-395 007  
Gujarat (INDIA)  
E-mail: mgtimol@gmail.com
- **Dr. H.D. Doctor ( Ph.D.)**  
Professor & Head  
Department of Mathematics  
VNSGU  
Surat-395 007  
Gujarat (INDIA)
- **Dr. Pruthul Desai**  
Principal  
Sir P. t. Sarvajani College of  
Science  
Surat  
Gujarat (INDIA)

## DECLARATION

I hereby declare that all the above furnished information is true to best of my knowledge and belief. The originals will be produced as required.



Dr. Janki Vashi

## PAPER PUBLICATION

- **“Sumudu Transform for Initial Value Problem”**  
Vashi Janki J. and Timol M G.  
International e-journal for Education and Mathematics (Vol.2, No.1)  
January 2013  
Page No: 29-36  
ISSN 2320-2971
- **“Sumudu Transform: Introduction, Properties and Applications”**  
Vashi Janki J. and Timol M G.  
E-journal of Information, Knowledge and Research in Computer  
Science and Applications  
November 2015  
Page No: 144-148  
ISSN 0975 – 6728
- **“A Note on Fractional Complex Transform”**  
Vashi Janki J. and Timol M G.  
International Conference on Emerging Trends in Engineering and  
Technology held in Pune  
November 2015  
Conference Proceeding  
Page No: 83-85  
ISBN 987-93-85832-59-8
- **“Laplace and Sumudu Transforms and their Applications”**  
Vashi Janki J. and Timol M G.  
International Journal of Innovative Science, Engineering and  
Technology”, (Vol.3, No.8)  
August 2016  
Page No: 538-542  
ISSN2348-7968

## CONFERENCES & SEMINARS

- 42<sup>nd</sup> Annual Convection of Gujarat Ganit Mandal, Nov 11 to 13 2005.  
Organized by Anu-Bindu Lok Vigyan Kendra, at Pramukh Swami Science college, Kadi.
- Presented Paper in National conference on emerging trends in computer science and management research, 25<sup>th</sup> October 2015.  
Held at Kalol Institute of Management and KIoI Institute of Technology and Research Center, Kalol
- Presented Paper in International conference on Emerging Trends in Engineering and Technology held in Pune. (2015)  
(Conference proceeding pg.83-85)
- National Faculty Development Programm on “The Role of a Teacher in Developing employable Youth”.  
Organized by Mahavir Swami College of Engineering and Technology, Surat, Gujarat, India. 30<sup>th</sup> July 2016.