
Teaching Experience: 11 years 05 months (as on July 2017) in permanent position

Assistant Professor (07.12.2006 - Present)

Sardar Vallabhbhai National Institute of Technology (SVNIT)

Ichchhanath, Surat-395007, Gujarat, INDIA.

Lecturer / Assistant Professor (from 01.02.06 to 06.12.06)

Nirma University, Sarkhej Gandhinagar Highway, Ahmedabad-382481, Gujarat, INDIA.

Assist Energy Balance Model & General Climate Model Practical to M. Tech. Students under **Centre for Space Science and Technology Education for Asia and the Pacific (Affiliated to United Nations)** at Space Application Centre (ISRO), Ahmedabad during even semester of 2005-06.

Taught Optimization Techniques to 3rd year B.Sc. Honors Students at Visva-Bharati (A Central University) during odd semester of 2004-05.

Courses Taught

<u>UG Level</u>	<u>PG level</u>
*#Engineering Mathematics-I	#MM 202: Principle of Scientific Computing in C
*#Engineering Mathematics-II	#MM 210: Fundamental of Computers and C Programming
*#Engineering Mathematics-III	#MS 213: Numerical Analysis
*Engineering Mathematics-IV	#MM 304: Discrete Mathematics
*#Discrete Mathematics	#MM 320: Mathematical Methods
^Optimization techniques	#MM 406: Higher Transcendental Functions
	#MM 407: Optimization Techniques
	#MM 511: Advanced Operations Research

Taught at SVNIT

*Taught at Nirma University

^Taught at Visva-Bharati

Courses Introduced/Designed for UG/PG Curriculum

For UG (B. Tech.) programme

Following Courses were prepared by me for UG (B. Tech.) programme which was approved in Curriculum development workshop and later on by Senate:

MH203: DISCRETE MATHEMATICS

MH 210: ENGINEERING MATHEMATICS III

ASM 310: FUZZY SETS THEORY

ASM 320: PARTIAL DIFFERENTIAL EQUATIONS

ASM 330: INTEGRAL TRANSFORM AND INTEGRAL EQUATIONS

For PG (M. Tech.) Programme

Following Course was introduced for M. Tech. in Transportation Engineering and Planning of Civil engineering Department of SVNIT.

MM 611: DECISION MODELS IN MANAGEMENT

For PG Programme (Five year integrated M.Sc. in Mathematics)

SVNIT is the first NIT to start Five year integrated M.Sc. Programme in Mathematics in 2007. Following Eighteen Courses was prepared by me. All of them were approved in Curriculum development workshop and later on by Senate.

MM 101: MATHEMATICS-I

MM 302: COMPLEX ANALYSIS

MM 102: MATHEMATICS-II

MM 304: DISCRETE MATHEMATICS

MM 210: FUNDAMENTALS OF COMPUTER PROGRAMMING

MM 312: FUZZY SETS THEORY

MM 202: PRINCIPLE OF SCIENTIFIC COMPUTING IN C

MM 314: INTEGRAL TRANSFORMS

MM 204: LINEAR ALGEBRA

MM 406: HIGHER TRANSCENDENTAL FUNCTION

MS 213 : NUMERICAL ANALYSIS

MM 407: OPTIMIZATION TECHNIQUES

MS 215: INTRODUCTION TO LINEAR ALGEBRA

MM 505: NUMBER THEORY

MM 303: CLASSICAL MECHANICS

MM 510: ADVANCED OPERATIONS RESEARCH

MM 305: ORDINARY DIFFERENTIAL EQUATION

MM 550: ADVANCED INTEGRAL TRANSFORMS

Technical skills attained

General computer skills: Windows, Unix, Linux, Microsoft Office, Internet Applications, Latex.

Software skills: Mathematica, GrADS, ERDAS, MATLAB, Maple, Origin, SPSS.

Computer languages: FORTRAN, C, C++, DBMS.

Optimization: Lingo, Linear/Non-linear programming.