

NAME OF THE DEPARTMENT: APPLIED MATHEMATICS

V.

A) PROGRAMMES (UNDERGRADUATE / POSTGRADUATE):

Table 1

Sr. No.	Name of Program	Total No of seats sanctioned	Duration	Cut off marks for admission (during last 3 academic years) OUT OF 450			Fee structure	AICTE approved / accredited
				05-06	06-07	07-08		
UNDERGRADUATE								
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Sr. No	Name of Program	Total No of seats sanctioned	Duration	Cut off marks/percentage /percentile for admission (during last 3 academic years)			Fee structure	AICTE approved / accredited
				05-06	06-07	07-08		
POSTGRADUATE								

1.	M. Sc. (Applied / Industrial Mathemaitc s	50	2 ye ars	45%	50%	50%	F. S. : Tuition fees : 1500 Other fees : 590 Total : 2090	Not applicable
							S. S. : Tuition fees : 0000 Other fees : 10 Total : 10	
							T. S. : Tuition fees : 1500 Other fees : 590 Total : 2090	
							F. S. : Tuition fees : 0000 Other fees : 10 Total : 10	
2.	PGDCA	33	1 ye ar	As Per Entrance Exams			F. S. : Tuition fees : 1500 Other fees : 690 Total : 2190	Not applicable
							S. S. : Tuition fees : 0000 Other fees : 10 Total : 10	
3.	PTPGDCA	40	1 an d hal f ye ar	As Per Entrance Exams			12,000 per semester (self financed)	Not applicable

4.	M.Sc.(Bio Informatics)	20	2 years	As Per Entrance Exams	20,000 per semester (self financed)	Not applicable
5.	PG Diploma in Sci. Comp. & Ind. Maths	10	1 year	As Per Merit	12,000 per semester (self financed)	Not applicable

NAME OF THE DEPARTMENT: APPLIED MATHEMATICS

VI. FACULTY

Sr. No.	Name of the faculty (Beginning with surname)	Designation	Area of Specialization / Research
FACULTY APPOINTED ON PERMANENT BASIS			
1	Prof. S. Ramamohan	Professor	Soft Computing, Industrial Mathematics
2	Dr. P. S. Kantawala	Reader	Fourier Analysis, Wavelet Analysis and its Application
3	Dr. D. P. Patel	Reader	Partial Differential Equation, Computational Fluid Dynamics, Wavelet
4	Shri. D. C. Vakaskar	Reader	Industrial Mathematics, Numerical Methods, FEM, Image Processing
5	Dr. B. M. Shah	Reader	Summability Theory of Orghogonal Series, Wavelet Analysis
6	Mrs. T. P. Shah	Lecturer	Discrete Time Systems
7	Mr. S. B. Rao	Lecturer	Complex Analysis
FACULTY APPOINTED ON TEMPORARY BASIS			
1	U. M. Pirzada	Teaching Assistant	M. Sc. (Applied Mathematics) Fuzzy Set Theory and Applications
2	Ashok Tejwani	Teaching Assistant	M. Sc. (Applied Mathematics) Wavelets
3	Ekta Dixit	Teaching Assistant	M. Sc. (Mathematics) Operation Research
4	Monika Sharma	Teaching Assistant	M. Sc. (Applied Mathematics) Computational Fluid Dynamics.
5	Reshma Rana	Teaching Assistant	M. Sc. (Applied Mathematics) Numerical Analysis
6	Bhavika Patel	Teaching Assistant	M. Sc. (Applied Mathematics) Mathematical Modeling
7	Rahul Panchal	Teaching Assistant	M. Sc. (Applied Mathematics) Theoretical Computer Science

8	Ketan Naik	Teaching Assistant	M. Sc. (Mathematics) Integral Transforms
9	Reena Patel	Teaching Assistant	M. Sc. (Applied Mathematics) Fourier Analysis
10	Kiran Darji	Teaching Assistant	M. Sc. (Mathematics) Real Analysis
ADJUNCT FACULTY			
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VISITING FACULTY			
1.	Prof V. D. Pathak	Principal MCA Dept. at Changa.	Optimization-I, Advanced Analysis, Theory of Comp. Sci.
2.	Prof S. R. Agarwal	-	Functional Analysis
3.	Davendra Shah	Manager IT (GACL)	RDBMS
4	Som Shani	Lecturer (BIT)	Networking, Unix
5	Rana Mukhopadhaya	Infosys Systems	OOPS
6	Devendra Jadav	System Analyst, Comp. Center	RDBMS
GUEST FACULTY			
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NAME OF THE DEPARTMENT: APPLIED MATHEMATICS

IX ADMISSION (UNDERGRADUATE AND POSTGRADUATE):

Sr. No.	Name of the program	No of seats sanctioned	Categories	No of students admitted under various categories (In 3 academic years)		
				05-06	06-07	07-08
UNDERGRADUATE						
1	Program 1 --	--	SC ST SEBC OPEN OTHERS	--	--	--
2	Program 2 --	--	SC ST SEBC OPEN OTHERS	--	--	--
POSTGRADUATE						
1	M. Sc. (Applied / Insustrial Mathematics	50	SC ST SEBC OPEN OTHERS	1 NIL 8 36 NIL	2 NIL 10 34 NIL	2 NIL 09 33 NIL

2	PGDCA	33	SC ST SEBC OPEN OTHERS	1 NIL 2 23 NIL	NIL NIL 3 22 NIL	1 NIL 1 20 NIL
3	PTPGDCA	40	SC ST SEBC OPEN OTHERS	2 NIL 2 23 NIL	2 NIL 3 36 NIL	-
4	M.Sc.(Bio Informatics)	20	SC ST SEBC OPEN OTHERS	-	-	- - 01 19 -
5	PG Diploma in Sci. Comp. & Ind. Maths	10	SC ST SEBC OPEN OTHERS	-	-	- - - 05 -

*** NO MANAGEMENT QUOTA**

NAME OF THE DEPARTMENT: APPLIED MATHEMATICS

ONLY FOR MCA / PGDCA

X. ADMISSION PROCEDURE:

(Write details briefly in one or two lines only)

A. Mention the admission test being followed, name and address of the Test Agency and its URL (Website):

Entrance Test Conducted by National Agency (Name not known)

B. Number of seats allotted to different Test Qualified candidates separately (AIEEE / CET (State conducted test / University tests / Association conducted test):

Not

Applicable

C. Calendar for admission against management / vacant seats:

i. Last date for request for application:

Some Date in month of May

ii. Last date for submission of application:

First week of June

iii. Dates for announcing final results:

Third Week of June

NAME OF THE DEPARTMENT: APPLIED MATHEMATICS

XI. CRITERIA AND WEIGHTAGE FOR ADMISSION:

Sr. No.	Name of program	Whether admission test or give marks of qualifying exam	Minimum level of acceptance	Category	Cut off percentage / percentile score of the candidate (in last 3 academic years)			Cut off marks of Test / Qualifying exam of the candidate (in last 3 academic years)		
					05-06	06-07	07-08	05-06	06-07	07-08
UNDERGRADUATE										
1	Program 1	--	--	SC ST SEBC OPEN OTHER	--	--	--	--	--	--
2	Program 2	--	--	SC ST SEBC OPEN OTHER	--	--	--	--	--	--
POSTGRADUATE										
1	Program 1	M. Sc (Applied / Industrial Mathematics)	45% IN Bachelor Degree	SC ST SEBC OPEN OTHER	45% in Bachelor Degree					
2	Program 2	PGDCA	50% In Bachelor Degree	SC ST SEBC OPEN OTHER	50% in Bachelor Degree + Merit list of Entrance Test					
3	Program 3	PTPGDCA	40% In Bachelor Degree	SC ST SEBC OPEN OTHER	40% in Bachelor Degree + Merit list of Entrance Test					
3	Program 4	M.Sc.(Bio Informatics)		SC ST SEBC OPEN OTHER	1. Bachelors Degree in Engineering or Medicine or Pharmacy with at least 50 % of Marks in final Year. OR 2. Bachelors Degree in Science with at least 50 % Of marks in final year and at least one of the following subjects up to second year level: Mathematics, Statistics, Physics, Chemistry, Bio-Sciences, Computer Science/ Applications, and Electronics.					

3	Program 5	PG Diploma in Sci. Comp. & Ind. Maths		SC ST SEBC OPEN OTHER	Graduate (Mathematics) Degree Type: Post Graduate Diploma No. of Seats: 10 Details: Part - Time Self Financed Course Graduate in any Engineering discipline or Master of Science with Mathematics at least as a subsidiary subject in B.Sc.
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NAME OF THE DEPARTMENT: APPLIED MATHEMATICS

XIII. LIST OF APPLICANTS (POSTGRADUATE PROGRAM ONLY):

FOR YEAR 2006-07 ONLY

Sr. No.	Programme	Number of Applications Received									
		From M.S.U. Students					From Non M.S.U. Students				
		SC	ST	SEBC	OPEN	OTHER	SC	ST	SEBC	OPEN	OTHER
1	M. Sc. (Applied / Industrial Mathematics)	2	5	9	19	NIL	1	2	4	8	NIL
2	PGDCA	2	4	6	11	NIL	1	2	3	4	NIL
3	PTPGDCA	2	4	8	14	NIL	1	2	3	6	NIL

NAME OF THE DEPARTMENT: APPLIED MATHEMATICS

XV. (B) INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE:

1. NUMBER OF CLASSROOMS AND SIZE OF EACH (SQ. MTS.):

Room No	Area in sq. mts.
M1	--
M2	--

2. NUMBER OF TUTORIAL ROOMS AND SIZE OF EACH (SQ. MTS.):

Room No	Area in sq. mts.
Seminar Room	200
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3. NUMBER OF LABORATORIES AND SIZE OF EACH (SQ. MTS.):

Laboratory Name	Area in sq. mts..
LAB -1	1000
LAB – 2	700
LAB – 3	700
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4. NUMBER OF DRAWING HALLS AND SIZE OF EACH (SQ. MTS.):

Hall No	Area in sq. mts.
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NAME OF THE DEPARTMENT: Applied Mathematics

VII. PROFILE OF FACULTY:



1. Name of faculty: SHAH BANKIM M.
 Last name First name Middle name

2. Date of Birth: 03 // 07 // 1965
 D D M M Y Y Y Y

3. Educational Qualification: M.Sc. , Ph. D. (Applied Mathematics).
(BE/ME/Ph.D.)

4. Area of Specialization: Summability Theory of Orthogonal Series.
Wavelet Analysis.

5. Work Experience (In Years):

Teaching: 17 Research: 15 Industry: -- Others: --

6. Subjects taught at

Undergraduate Level: Applied Mathemaitcs, Numerical Methods, Graph Theory.

Postgraduate Level: Complex Analysis, Laplace Transform, Wavelets, Differential
Geometry, Fourier Analysis
Applied Statistics, Fluid Mechanics.

7. Number of research guidance at:

Particulars	Completed	Ongoing
Master's	05	--
Ph.d.	--	--

8. Number of research publications:

National		International	
Journals	03	Journals	01
Conference/Seminars	04	Conference/Seminars	--

9. Number of project carried: 01

Particulars		Completed	Ongoing
Sponsored	Industry	--	--
	Govt. Agency	U.G.C Unassigned grant completed in 2001	--
Consultancy	Industry	--	--
	Govt. Agency	--	--

10. Number of books published: --

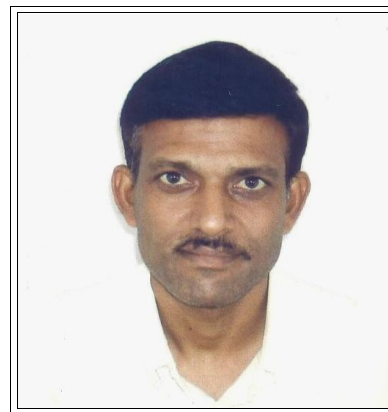
11. Number of Patents: --

12. Number of Technology transfer: --

Signature of the faculty

NAME OF THE DEPARTMENT: Applied Mathematics

VII. PROFILE OF FACULTY:



1. Name of faculty: PATEL DHANESH P.
 Last name First name Middle name

2. Date of Birth: 30 // 06 // 1965
 D D M M Y Y Y Y

3. Educational Qualification: Ph.D. _____
 (BE/ME/Ph.D.)

4. Area of Specialization: Partial Differential Equation, Computational Fluid Dynamics, Wavelet, Industrial Maths.

5. Work Experience (In Years):

Teaching: 14 Research: 14 Industry: -- Others: --

6. Subjects taught at

Undergraduate Level: Engineering Mathematics

Postgraduate Level: Numerical Methods for PDE, Applied Mathematics, Computational Fluid Dynamics, ODE, Modelling and Simulation.

7. Number of research guidance at:

Particulars	Completed	Ongoing
Master's	18	01
Ph.d.	01	04

8. Number of research publications:

National		International	
Journals	13	Journals	04
Conference/Seminars	03	Conference/Seminars	08

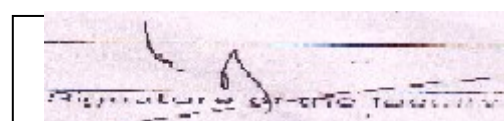
9. Number of project carried:

Particulars		Completed	Ongoing
Sponsored	Industry	--	--
	Govt. Agency	--	--
Consultancy	Industry	--	--
	Govt. Agency	--	--

10. Number of books published: --

11. Number of Patents: --

12. Number of Technology transfer: --



NAME OF THE DEPARTMENT: Applied Mathematics



VII. PROFILE OF FACULTY:

1. Name of faculty: KANTAWALA PRAGNA SURESHCHANDRA
Last name First name Middle name

2. Date of Birth: 05 // 09 // 1959
D D M M Y Y Y Y

3. Educational Qualification: M.Sc., Ph.D., Diploma in Computer Programming (BE/ME/Ph.D.)

4. Area of Specialization: Fourier Analysis, Wavelet Analysis and its Application

5. Work Experience (In Years):

Teaching: 22 Research: 25 Industry: -- Others: --

6. Subjects taught at

Undergraduate Level: Computer Programming, Numerical Analysis, Applied Mathematics

Postgraduate Level: Computer Programming, Discrete Mathematics, Operation Research, Statistical Methods, Fourier Analysis, Wavelet Analysis, Mathematical Methods.

7. Number of research guidance at:

Particulars	Completed	Ongoing
Master's	13	01
Ph.d.	--	02

8. Number of research publications:

National		International	
Journals	13	Journals	02
Conference/Seminars	--	Conference/Seminars	01

9. Number of project carried:

Particulars		Completed	Ongoing
Sponsored	Industry	--	--
	Govt. Agency	--	--
Consultancy	Industry	--	--
	Govt. Agency	--	--

10. Number of books published: --

11. Number of Patents: --

12. Number of Technology transfer: --

P. Skantawala

NAME OF THE DEPARTMENT: Applied Mathematics



VII. PROFILE OF FACULTY:

1. Name of faculty: SURYADEVARA RAMA MOHAN _____
Last name First name Middle name

2. Date of Birth: 05 // 02 // 1951
D D M M Y Y Y Y

3. Educational Qualification: Ph.D. _____
(BE/ME/Ph.D.)

4. Area of Specialization: Soft Computing, Industrial Mathematics.

5. Work Experience (In Years):

Teaching: 24 Research: 11 Industry: 10 Others: --

6. Subjects taught at

Undergraduate Level: Discrete Mathematics, Object Oriented Programming.

Postgraduate Level: Mechanics, OOPS, Fluid Dynamics, UML, Computer Organization.

7. Number of research guidance at:

Particulars	Completed	Ongoing
Master's	25	02
Ph.d.	--	03

8. Number of research publications:

National		International	
Journals	04	Journals	--
Conference/Seminars	05	Conference/Seminars	02

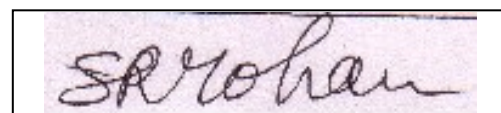
9. Number of project carried:

Particulars		Completed	Ongoing
Sponsored	Industry	02	01
	Govt. Agency	02	01
Consultancy	Industry	05	--
	Govt. Agency	01	--

10. Number of books published: --

11. Number of Patents: --

12. Number of Technology transfer: --



GROUP PHOTOGRAPH OF TEACHING STAFF

APPLIED MATHEMATICS DEPARTMENT, FACULTY OF TECHNOLOGY & ENGG.

FIRST ROW SEATED(LEFT TO RIGHT): DR. B. M. SHAH, Mrs. T. P. SHAH, DR. P. S. KANTAWALA, PROF. S. RAMAMOCHAN, DR. D. P. PATEL, DR. D. C. VAKASKAR, Mr. S. B. RAO

SECOND ROW STANDING(LEFT TO RIGHT): Ms. BHAVIKA PATEL, Ms. RESHMA RANA, Ms. MONIKA SHARMA, Ms. EKTA DIXIT, Ms. U. M. PIRZADA, Mr. RAHUL PANCHAL, Mr. KETAN NAIK, Mr. ASHOK TEJWANI, MS. REENA PATEL, MR. KIRAN DARJI

GROUP PHOTOGRAPH OF NON - TEACHING STAFF

APPLIED MATHEMATICS DEPARTMENT, FACULTY OF TECHNOLOGY & ENGG.

FIRST ROW SEATED(LEFT TO RIGHT): Mr. R. H. PATEL, Dr. D. P. PATEL

SECOND ROW STANDING(LEFT TO RIGHT): SHRI VASANTBHAI. V. SOLANKI, SHRI. SUNIL. K. SOLANKI. SHRI. KANAKSINGH. M. RAJ