



Name of the Department	MATHEMATICS
Year of Establishment	1971
Courses / Programmes and Subject combinations offered	UG – Aided PG – Unaided Allied Elective EDC
Number of Teaching posts sanctioned and filled	10 (Aided) 01 (unaided)
Number of Administrative Staff	Nil
Number of Non - Teaching Staff	Nil
Number of Students – Women	UG – Aided : 111 PG – Unaided : 36 Allied : 74 Elective : 103 EDC : 15
Ratio of the Teacher to Students	1 : 15
Ratio of Teacher to Research Scholars	Nil
Number if Research Scholars who have obtained their master’s degree from other institutions	Nil
Number of Teachers in Academic bodies of other Autonomous Colleges and Universities	02
Latest revision of the curriculum	2006 – 07
Number of students passed in NET / SLET etc	Information not available
Success Rate of students (Average)	UG : 94.6% PG : 95.8%
Demand Ratio	UG : 1:5 PG : 1:2
Awards and recognition received by faculty	Nil



Faculty who have Attended National / International / Regional Seminars	International : 15 National : 18 Regional : 39
Number of National / International / Regional Seminars organized	Regional : 02
Number of Teachers engaged in consultancy and the revenue generated	Nil
Number of Ongoing projects and their total outlay	01 Rs. 40,000
Research projects completed and their outlay	01 Rs.30,000
Number of inventions and patents	Nil
Number of Ph.D Thesis / M.Phil Dissertation guided	M. Phil. : 01
Publications by faculty	International Journals : 08 National Journals : 07 International Seminar Proceedings : 02 National Seminar Proceedings : 03 Course Materials : 06 E-Publication : 02
Average citation index and impact factor of publications	Nil
Number of Books in the Departmental Library	Nil
Number of Journals / Periodicals in the Departmental Library	Nil
Number of Computers	2 + 1
Annual Budget (excluding salary)	Rs.50,000

**1. DETAILS OF TEACHING STAFF**

Name	Designation	Highest qualification	Specialization	Experience In years	Age
AIDED					
Mrs. N. Suguna Bai	Head	M.Phil	Noetherian Rings	27	53
Sr. Dr. P. Helen Chandraa	Reader	Ph.D	Automata- (Grammars & Languages)	17	46
Mrs. G. Amala Ruby	LSG	M.Phil.	Noetherian Rings	26	49
Mrs. A. Vanakka Mary	LSG	M.Phil	Dimension Theory	25	50
Mrs. G. Michael Rosario	LSG	M.Phil	Applied Probability Theory	25	47
Mrs. S. M. Saroja Theerdus Kalavathy	LSG	M.Phil	Linear Models in Biology	21	46
Mrs. K. F. Mary Latha	LSG	M.Phil	Inventory Models	20	42
Mrs. S.Athisaya Ponmani	LSG	M.Phil	Separation Axioms in Topology	15	43
Mrs. I. Geetha Antoinette	LSG	M.Phil	Banach Spaces	15	43
Mrs. M. Innocencia	Lecturer	M.Phil	Normed Linear Spaces	01	41
UN – AIDED					
Mrs.P.K. Shanthi	Lecturer	M.Phil	Measure Theory	01	29

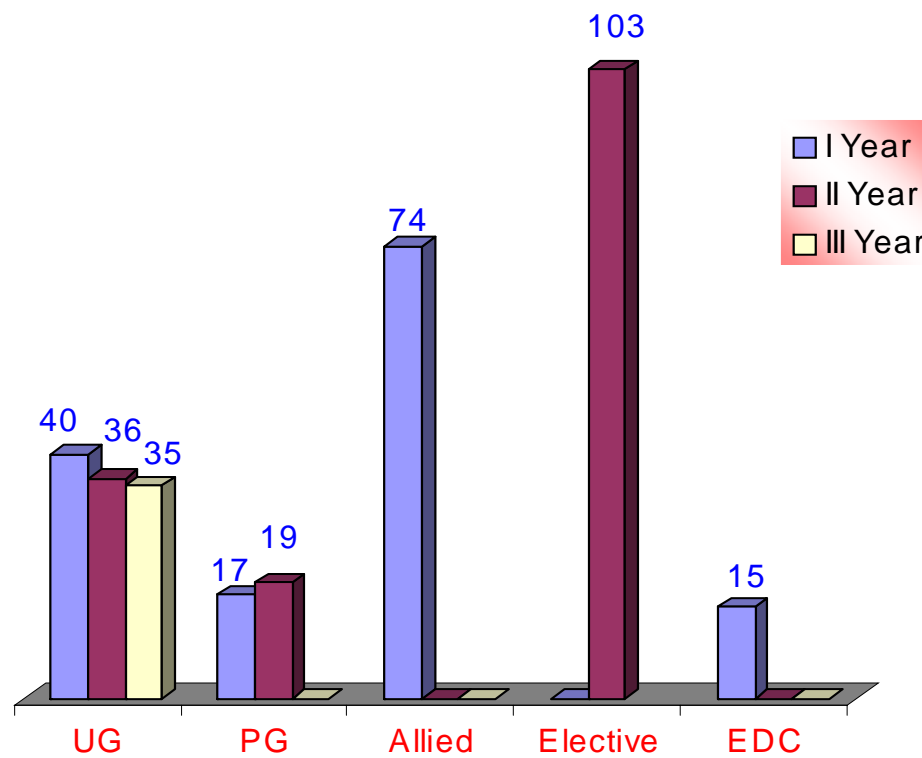


2. DETAILS OF STUDENT STRENGTH

PROGRAMMEWISE

Programme	I year	II year	III year	Total
UG	40	36	35	111
PG	17	19	--	36
Allied	74	---	--	74
Elective	--	103		103
EDC	15	---	--	15
Total	146	158	35	339

PROGRAMME WISE

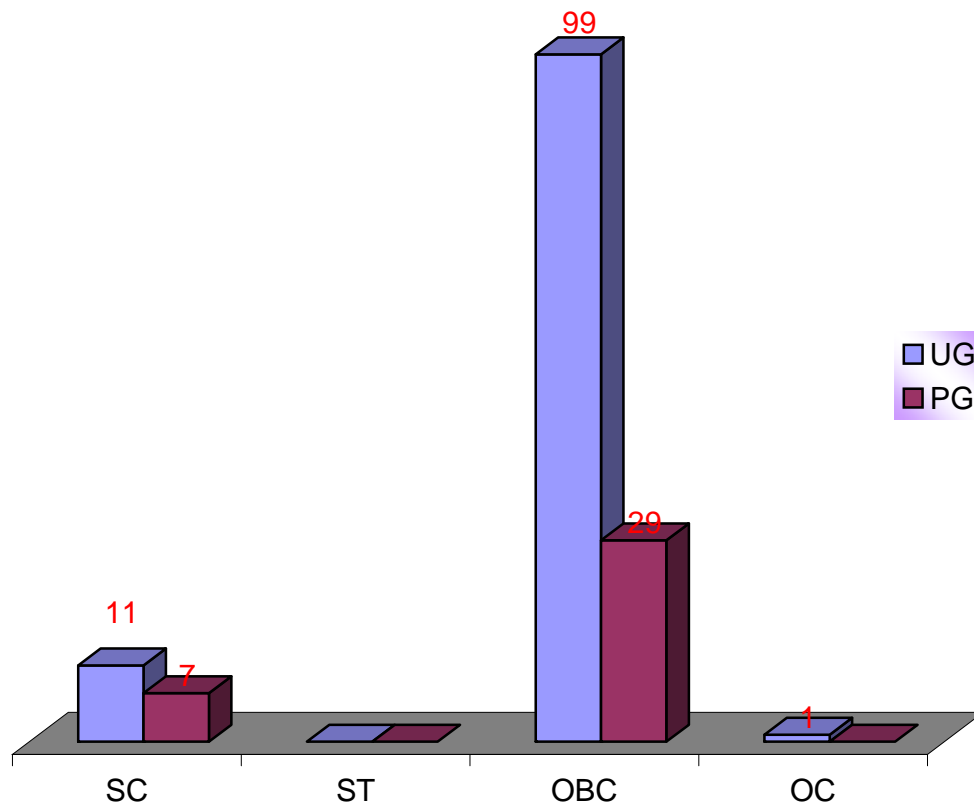




COMMUNITY WISE

Community	UG	PG	Total
SC	11	07	18
ST	--	--	--
OBC	99	29	128
OC	01	--	01
Total	111	36	147

COMMUNITY WISE





REGION – WISE

Region	UG	PG	Total
Tamil Nadu	111	36	147
Other State	--	--	--
Total	111	36	147

3. DETAILS OF TEACHERS IN ACADEMIC BODIES OF OTHER AUTONOMOUS COLLEGES AND UNIVERSITIES

Name	Position	Name of the Academic Body	Name of the College/University
Mrs. Suguna Bai	Member	Board of Studies in Mathematics	MTW University, Kodaikanal.
	Member	Passing Board	MTW University, Kodaikanal.
	Member	Board of Studies in Mathematics and Statistics(PG)	MK University, Madurai
Dr. Sr. Helen Chandra	Member	Board of Studies in Computer Science	MTW University, Kodaikanal.
	Member	Passing Board of Computer Science	MTW University, Kodaikanal.

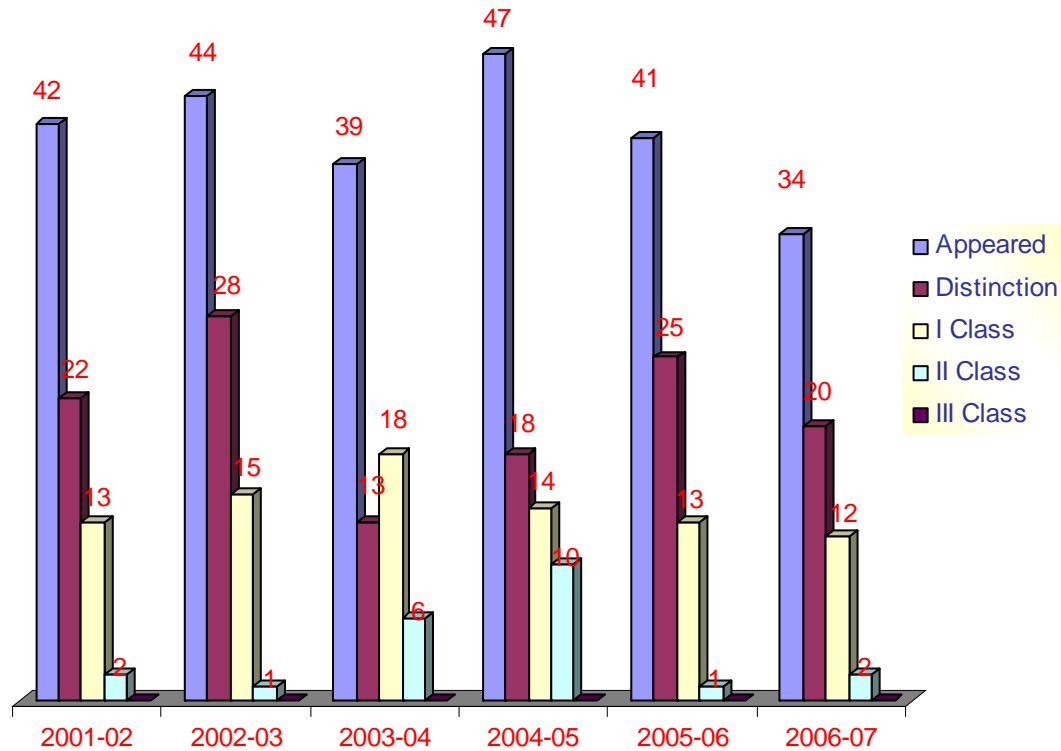


4. DETAILS OF SUCCESS RATE OF STUDENTS

UG

Year	Number of Candidates					Percentage of pass
	Appeared	Distinction	I Class	II Class	III Class	
2001-02	42	22	13	02	--	88.1
2002-03	44	28	15	01	--	100
2003-04	39	13	18	06	--	94.9
2004-05	47	18	14	10	--	89.4
2005-06	41	25	13	01	--	95.1
2006-07	34	20	12	02	--	100

SUCCESS RATE (UG)

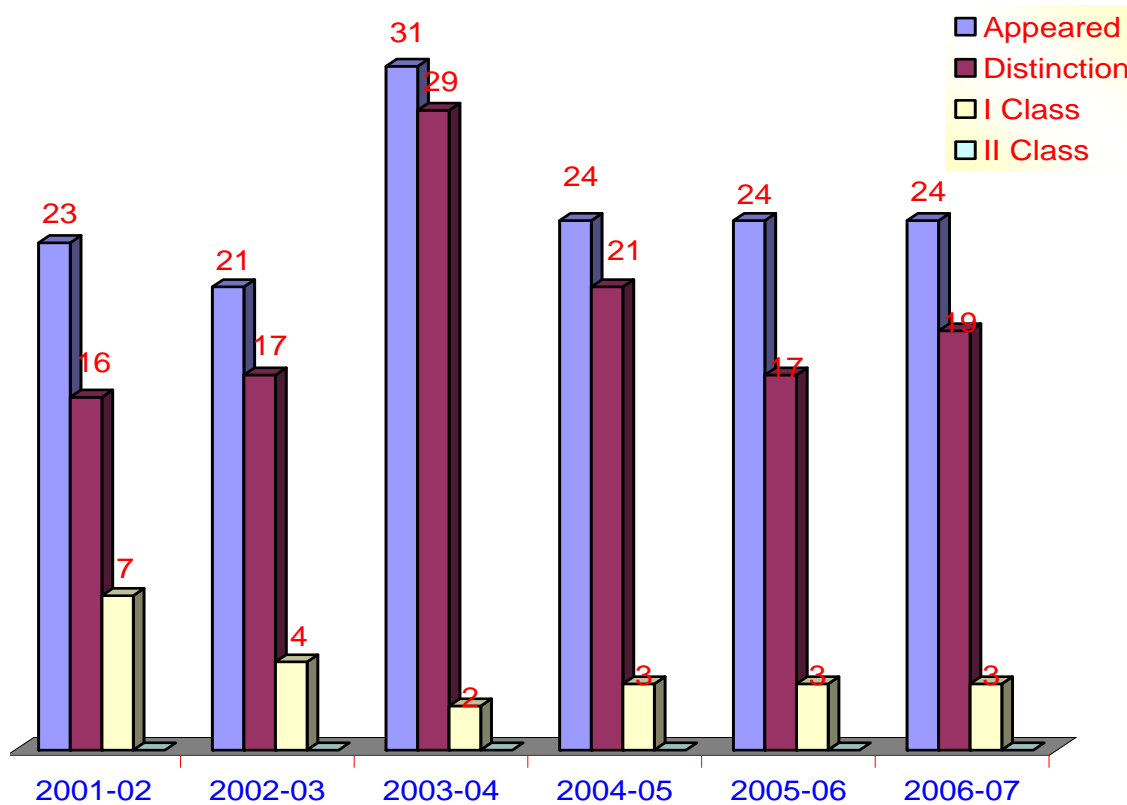




PG

Year	Number of Candidates				Percentage of pass
	Appeared	Distinction	I Class	II Class	
2001-02	23	16	07	--	100
2002-03	21	17	04	--	100
2003-04	31	29	02	--	100
2004-05	24	21	03	--	100
2005-06	24	17	03	--	83.3
2006-07	24	19	03	--	91.7

SUCCESS RATE (PG)





5. DEMAND RATIO

UG

Year	Sanctioned strength	Number of Applications Received	Ratio
2001-02	45	233	1:5.2
2002-03	48	217	1:4.5
2003-04	42	181	1:4.3
2004-05	42	207	1:4.9
2005-06	42	187	1:4.5
2006-07	45	188	1:4.2

PG

Year	Sanctioned strength	Number of Applications Received	Ratio
2001-02	25	57	1:2.3
2002-03	36	64	1:1.8
2003-04	26	58	1:2.2
2004-05	26	59	1:2.3
2005-06	26	49	1:1.9
2006-07	26	31	1:1.2

**6. NATIONAL /INTERNATIONAL/REGIONAL SEMINARS AND WORKSHOPS ATTENDED BY STAFF**

Year	Staff	Title	Place & date	Level
2001-02	Dr. Sr. Helen Chandra	Workshop On Memberane Computing	Curtea de Arges,Romania, 20-24 Aug 2001	International
	Dr. Sr. Helen Chandra	Combinatorial Imaging Analysis	Temple University, Philadelphia, PA 19122, 23-24 Aug 2001	International
	Mrs.Athisaya Ponmani	Communal Harmony	Dept. of Youth Welfare, MK University & Peace Trust, Kanyakumari, 8-9, Jan 2002	Regional
	Mrs. Michael Rosario	Applications of Mathematics	Vivekanada College, Tiruvedakam. 22 Jan 2002	Regional
	Mrs. Michael Rosario	Human Rights-Relevance to Higher Edn.	St.Joseph's College Trichirappalli, 26-27 Jan 2002	Regional
2002-03	Dr. Sr. Helenchandra	L ^A T _E X	St. Joseph's College, Trichirappalli. 27 Jan 2003	Regional
	Mrs. Vanakkamary	Towards Better Question Papers in Mathematics	Tamilnadu State Council for Higher Education Chennai, 14-15, Feb 2003	Regional
	Dr. Sr. Helen Chandra	Combinatorial Imaging Analysis	Palermo,Italy, 14-16 May 2003	International



	Dr.Sr. Helen Chandra	Recent Trends in Computational Mathematics	Gandhigram Rural Institute, Gandhigram, 18-19 Mar 2004	National
	Dr.Sr. Helen Chandra	Culture of Consumerism-Our Response	Xavier Board of Higher Education at Pilar,Goa, 30 Apr 3 May 2004	National
2003-04	Mrs. Amalaruby	Challenges of Value Education at College Level	Arul Andar College, Madurai, 26-27 Sep 2003	Regional
	Mrs. Geetha Antoinette	Challenges of Value Education at College Level	Arul Andar College, Madurai, 26-27 Sep 2003	Regional
	Mrs. Suguna Bai	Women Entrepreneurship	MTW University, Kodaikanal, 27 Oct 2003	Regional
	Dr. Sr. Helen Chandra	Applications of Mathematics in Engg. and Technology	PSNA College of Engg. and Technology Dindigul, 25 Nov 2003	Regional
	Mrs. Amalaruby	Applications of Mathematics in Engg. and Technology	PSNA College of Engg. and Technology Dindigul, 25 Nov 2003	Regional
	Mrs. Suguna Bai	Nonlinear Waves and Diffusion	MK University, Madurai, 12 Nov 2003	National
	Mrs. Amalaruby	Nonlinear Waves and Diffusion	MK University, Madurai, 12 Nov 2003	National
	Mrs. Vanakka Mary	Nonlinear Waves and Diffusion	MK University, Madurai, 12 Nov 2003	National



	Mrs. Michael Rosario	Nonlinear Waves and Diffusion	MK University, Madurai, 12 Nov 2003	National
	Mrs. Saroja Theerdus Kalavathy	Nonlinear Waves and Diffusion	MK University, Madurai, 12 Nov, 2003	National
	Mrs. Suguna Bai	Ever Widening Horizon of Mathematics	Arul Anandar College, Karumathur, 3 Mar 2004	Regional
2004-05	Mrs. Michael Rosario	India Calls World – A Road Map to Success	Institute of Management, Vallam, Tanjavur, 27-28 Sep 2004	Regional
	Mrs. Suguna Bai	Promoting Women Leaders in Management and Entrepreneurship	MTW University, Kodaikanal, 15 Oct 2004	International
	Dr. Sr. Helen Chandra	Future of Education in India	Xavier Board at Satyodayam, Bangalore, 26-28 Oct 2004	Regional
	Mrs. Michael Rosario	Problems and Prospects of Rural Entrepreneurship	Urumu Dhanalakshmi College, Trichirappalli 18-19 Nov 2004	Regional
	Mrs. Michael Rosario	Mathematical Methods for Management Sciences	School of Mathematics, MK University, 3 Dec 2004	Regional
	Mrs. Michael Rosario	Mathematical Methods and Applications	IIT, Madras, 22 Dec 2004	National
	Mrs. Suguna Bai	Bioethics Education	JA College, Periyakulam, 20 Jan 2005	International



Dr. Sr. Helen Chandra	Bioethics Education	JA College, Periyakulam, 20 Jan 2005	International
Mrs. Amalaruby	Bioethics Education	JA College, Periyakulam, 20 Jan. 2005	International
Mrs. Vanakka Mary	Bioethics Education	JA College, Periyakulam, 20 Jan 2005	International
Mrs. Michael Rosario	Bioethics Education	JA College, Periyakulam, 20 Jan 2005	International
Mrs. Saroja Theerdus Kalavathy	Bioethics Education	JA College, Periyakulam, 20 Jan 2005	International
Mrs. Mary Latha	Bioethics Education	JA College, Periyakulam, 20 Jan 2005	International
Mrs. Athisaya Ponmani	Bioethics Education	JA College, Periyakulam, 20 Jan 2005	International
Mrs. Geetha Antoinette	Bioethics Education	JA College, Periyakulam, 20 Jan 2005	International
Mrs. Athisaya Ponmani	Emerging Trends in Pure and Applied Mathematics	St. Xavier's College, Palayamkottai, 27-29 Jan 2005	National
Mrs. Suguna Bai	Applications of Graph Theory	Yadava College, Madurai, 10-11 Feb 2005	Regional



	Mrs. Amalaruby	Methods of Industrial Statistics	School of Mathematics, MK University, Madurai, 18 Feb 2005	Regional
	Mrs. Michael Rosario	Methods of Industrial Statistics	School of Mathematics, MK University, Madurai, 18 Feb 2005	Regional
	Mrs. Saroja Theerdus Kalavathy	Methods of Industrial Statistics	School of Mathematics, MK University, Madurai, 18 Feb 2005	Regional
	Dr. Sr. Helen Chandra	Computing and Mathematical Modelling	Gandhigram Rural Institute, Gandhigram, 25-26 Mar 2005	National
2005-06	Mrs. Suguna Bai	Nature Conservation and Eco-Development	The Anglade Institute of Natural History, Kodaikanal, 7-10 July 2005	Regional
	Mrs. Innocenia	Blood Donation	JA College, Periyakulam, 23 July 2005.	Regional
	Mrs. Amalaruby	Guest Visiting Faculty Programme	Madura College, Madurai, 4 Aug 2005	Regional
	Mrs. Michael Rosario	Guest Visiting Faculty Programme	Madura College, Madurai, 4 Aug 2005	Regional
	Mrs. Amalaruby	APEX MATH 2005	Sermathai Vasan College for Women, Madurai, 8 Aug 2005	Regional
	Mrs. Suguna Bai	Recent Developments in Applied Mathematics	JA College, Periyakulam, 21-22 Sep 2005	Regional



Dr.Sr. Helen Chandra	Recent Developments in Applied Mathematics	JA College, Periyakulam, 21-22 Sep 2005	Regional
Mrs. Vanakka Mary	Recent Developments in Applied Mathematics	JA College, Periyakulam, 21-22 Sep 2005	Regional
Mrs. Michael Rosario	Recent Developments in Applied Mathematics	JA College, Periyakulam, 21-22 Sep 2005	Regional
Mrs. Saroja Theerdus Kalavathy	Recent Developments in Applied Mathematics	JA College, Periyakulam, 21-22 Sep 2005	Regional
Mrs. Mary Latha	Recent Developments in Applied Mathematics	JA College, Periyakulam, 21-22 Sep 2005	Regional
Mrs.Athisaya Ponmani	Recent Developments in Applied Mathematics	JA College, Periyakulam, 21-22 Sep 2005	Regional
Mrs. Geetha Antoinette	Recent Developments in Applied Mathematics	JA College, Periyakulam, 21-22 Sep 2005	Regional
Dr. Sr. Helen Chandra	Challenges of Higher Education	Xavier Board of Higher Education Bangalore, 23-24 Oct 2005	National



	Mrs. Athisaya Ponmani	Analysis and Applications	School of Mathematics, MKU, 1-2 Dec 2005	Regional
	Dr.Sr. Helen Chandra	Networking of College Libraries Through Infilbnet	PSG College of Arts & Science, Coimbatore, 16-17, Dec 2005	Regional
	Mrs. Michael Rosario	Mathematical Methods and Applications	IIT, Madras, 22 Dec 2005	National
	Mrs. Athisaya Ponmani	Advances in Applied Mathematics	Arul Anandar College, Karumathur, 18 Jan 2006	Regional
	Mrs. Michael Rosario	Stochastic Modelling in System Emerging	Coimbatore Institute of Technology, 10 Mar 2006	National
	Dr.Sr. Helen Chandra	Intelligent Optimization Modelling	Gandhigram Rural Institute, Gandhigram, 3-4 Mar 2006	National
2006-07	Mrs. Sugunabai	Discrete Mathematics	IISC, Bangalore. 2-4 Feb. 2007	International
	Dr.Sr. Helen Chandra	Discrete Mathematics	IISC, Bangalore. 2-4 Feb. 2007	International
	Dr.Sr. Helen Chandra	Minority Education Laws	Madurai Diocese, Madurai 3-4 March 2007	Regional
	Dr.Sr. Helen Chandra	Instructional Conference on Research Trends in Information Technology	Shahy Institute of Business Education & Research	National



	Mrs. Mary Latha	Analysis and Group Theory	Bharathidasan University, Trichy. 9-10 March 2007	National
	Mrs. Geetha Antoinette	Analysis and Group Theory	Bharathidasan University, Trichy. 9-10 March 2007	National
	Mrs. Sugunabai	Student Support and Progression in enhancing Quality in Higher Education	HKRH College, Uthamapalayam 25-26 Sep. 2006	Regional
	Mrs. Michael Rosario	Management Science and Practice	IIT. Chennai 9-11 March 2007	National
	Mrs. Athisaya Ponmani	Evaluation Methods towards enhancing Quality in Higher Education	Arulanandar College, Karumathur 2-3 Feb.2007	Regional
	Mrs. Athisaya Ponmani	Applications of Mathematics in IT	Arulanandar College, Karumathur.	Regional



7. DETAILS OF SEMINARS ORGANISED BY THE DEPARTMENT

Years	Title of Seminar	Place & Date	Funding Agency	Nature
2005-06	Recent Development in Applied Mathematics	JA College, Periyakulam 21 - 22 Sep 2005	JA College,	Regional
2006-07	JACMAT-2006	JA College, Periyakulam 4 Oct 2006	JA College,	Regional

8. DETAILS OF ON-GOING RESEARCH PROJECT

Nature	Investigators	Title	Funding agency	Amount Rs.	Duration
Minor	Mrs. Micheal Roserio	Reliability of Service Facility System	UGC	40,000	2007-09

9. DETAILS OF RESEARCH PROJECT COMPLETED

Nature	Investigators	Title	Funding Agency	Amount Rs.	Duration
Minor	Sr. Dr. Helen Chandra	Contextual Array Grammars	UGC	30,000	2003 – 2005

**10. DETAILS OF M.PHIL SCHOLARS**

Name of the guide	Topic	Date of Registration	Nature	sUniversity
Dr. Sr. Helen Chandra	Parallel Splicing on Images	1.12.2005	Part-Time	MK University

11. RESEARCH PUBLICATIONS**JOURNALS**

Year	Staff	Title	Name of the journal	Level
2001-02	Dr. Sr. Helen Chandra	Basic Puzzle Grammars and Generation of Polygons	Journal of Automata, Languages and Combinatorics,6(2001), pp.555-568.	International
	Dr. Sr. Helen Chandra	A Note on Parallel Splicing on Images	Electronic Notes in Theoretical Computer Science URL: www.elsevier.nl/locate/entcs , (IW CIA) 2001.	E-Publication
2002-03	Dr. Sr. Helen Chandra	Parallel Contextual array Grammars and Languages	Electronic Notes in Discrete Mathematics by Elsevier Science www.elsevier.com (IW CIA)2003	E-Publication
2004-05	Dr. Sr. Helen Chandra	Parallel Splicing on Images	International Journal of Pattern Recognition and Artificial Intelligence, 2004,Vol.15, No.6, pp. 1071-1091,World Scientific Publishing Company.	International



	Dr. Sr. Helen Chandra	Parallel Contextual Array Grammars with Trajectories	Handbook of Pattern Recognition and Computer Vision, III Edition, World Scientific Publishing Company, Spring 2005, pp. 55-70.	International
	Dr. Sr. Helen Chandra	Splicing on Images	Computational Mathematics, Narosha Publishing House Pvt.Ltd., New Delhi (2005) pp. 126-131.	National
2005-06	Dr. Sr. Helen Chandra	Cooperating Basic Puzzle Grammar Systems	U.Eckardt et al.(Eds):IWCIA 2006,LNCS 4040, pp. 354-360, 2006, Springer Verlag Berlin Heidelberg 2006.	International
	Dr. Sr. Helen Chandra	Simple Contextual Array Grammars and Languages	Computing and Mathematical Modelling, Narosha Publishing House Pvt.Ltd., New Delhi (2006) pp. 282-290	National
	Mrs. Athisaya Ponmani	δ gr-Mappings Associated with δ -Generalized Regular Closed Sets	Acta Ciencia Indica, Vol. XXXII M, No.3, (2006), pp. 1333-1340.	National
	Mrs. Athisaya Ponmani	Remarks on Ultra Semi $T_{(YS)^*}$ -Space	Antarctica Journal of Mathematics, 3(2)(2006) pp.131-138.	National
2006-07	Dr. Sr. Helen Chandra	Cooperating Basic Puzzle Grammar Systems	Journal of Mathematics	National



Mrs. Athisaya Ponmani	δ gr –mappings associated with $-\delta$ -generalised regular closed sets	Acta ciencica Indica, VolXXXII M.No.31333-13440(2006)	National
Mrs. Athisaya ponmani	On (1,2) α -hyperconnected spaces.	Inter national journal of mathematics and analysis August-September2006.Vol.3 No.2-3.pp121-129	International
Mrs. Athisaya ponmani	Charecterization of ultra separation axioms via (1,2) α kernel	Lobachevskii journal of mathematics, vol25, pp217-229	International
Mrs. Athisaya ponmani	On some characterizationsOf vividly and Blurely(1,2) β irresolute mappings	Filomat21:2(2007), pp87-100	International
Mrs. Athisaya ponmani	On some low separation axioms in bi topological spaces	Bol.Soc.Paran.Mat(33). vol24,1-2(2006)pp69-78	International
Dr. Sr. Helen Chandra	Parallel array P- system	Intelligent optimization Modeling, Narosha Publishing House Pvt.Ltd.New delhi	National

**PROCEEDINGS**

Year	Staff	Title	Proceedings	Place and date	Nature
2004-05	Mrs. Athisaya Ponmani	Note on Some New Bitopological Separation Axioms	The Emerging Trends in Pure and Applied Mathematics	St.Xavier's College, Palayamkottai, 27-29 Jan 2005, pp.28-32.	National
2005-06	Mrs. Michael Rosario	Some Results on Design on Service Facility System	Mathematical Methods and Applications	IIT, Madras, 22 Dec 2005	National
2006-07	Mrs. Athisaya Ponmani	New classes of functions in Ultra Spaces	International Conference on Mathematics and Computer Science	Loyola College, Chennai	International
	Mrs. Michael Rosario	Reliability, Optimization of Service facility system with parallel inventory components	Conference on Management Science and practice	IIT, Chennai	National
	Dr. Sr. Helen Chandra	External Contextual splicing Grammar System	International Conference on Mathematics and Computer Science	Loyola College, Chennai	International



COURSE MATERIALS

Year	Name of the staff	Title	Beneficiaries
2003-04	Dr. Sr. Helen Chandra	Fundamentals of Computers	II UG students of JA College for Computer Literacy paper
	Dr. Sr. Helen Chandra	Office Automation I	II UG students of JA College for Computer Literacy paper
	Dr. Sr. Helen Chandra	Office Automation II & FoxPro	II UG students of JA College for Computer Literacy paper
2004-05	Dr. Sr. Helen Chandra	Computer Maintenance and Hardware	Certificate Course
	Dr. Sr. Helen Chandra	Fundamentals of Computers & Office Automation	I UG students of JA College for a course in Computer application
	Dr. Sr. Helen Chandra	Lab Manual for FoxPro	Teaching staff