

Annual Quality Assurance Report 2012-13

Submitted by



Meenakshi College for Women (Autonomous)

Kodambakkam, Chennai 600 024

25th March, 2013

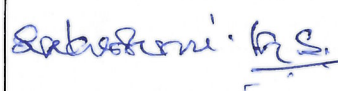







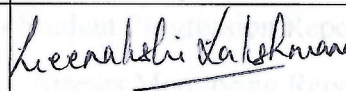
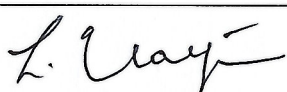
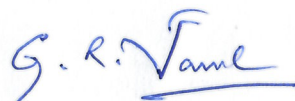

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Members of the IQAC

Dr. K. S. Lakshmi Secretary & Correspondent	
Dr. Vasanti Rajagopalan Principal	
Mr. C. R. Sivaramakrishnan Senior Administrative Officer	
Mrs. P. V. Geetha HoD, Department of Mathematics	
Mrs. T. Ambika HoD, Department of English	
Dr. M. Karpagam HoD, Department of Economics	
Dr. Lavanya Vedagiri Rao HoD, Department of Commerce	
Dr. N. Manju Associate Professor, Department of Physics	
Dr. Meenakshi Lakshmanan HoD, Department of Computer Science	
Mrs. L. Inbathamizh HoD, Department of Biochemistry	
Mr. G. R. Janarthanan President National Institute of Quality and Reliability (NIQR)	
Mr. V. S. Vikram Director, Meenakshi Sundararajan School of Management	



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Institutional Vision and Mission

The Institutional Vision is to work towards the goal of continuous improvement in the discovery and sharing of knowledge by providing broad-based quality higher education on global standards to young women, particularly from the neighbourhood, in order to transform them into responsible and self-reliant individuals with a receptive mind for liberal arts & culture, and an empathetic attitude to societal problems.

The Institutional Mission:

- To provide quality higher education and sustain academic excellence.
- To provide all the physical, human and technological infrastructure for an effective learning process.
- To create a stimulating environment for motivating research and development.
- To foster institution-industry interface that ensures academic programmes appropriate to employment needs.
- To develop the aptitude for appreciating liberal arts and culture among students.
- To impart values of patriotism, integrity and compassion for the under-privileged in a conscious manner.

Preamble

IQAC Members

1. Dr. K. S. Lakshmi, Secretary & Correspondent
2. Dr. Vasanti Rajagopalan, Principal
3. Mr. C. R. Sivaramakrishnan, Senior Administrative Officer

Senior Teachers

4. Mrs. P. V. Geetha, HoD, Department of Mathematics
5. Mrs. T. Ambika, HoD, Department of English
6. Dr. M. Karpagam, Associate Professor, Department of Economics
7. Dr. Lavanya Vedagiri Rao, HoD, Department of Commerce
8. Dr. N. Manju, Associate Professor, Department of Physics
9. Dr. Meenakshi Lakshmanan, HoD, Department of Computer Science
10. Mrs. L. Inbathamizh, HoD, Department of Biochemistry

Eternal Experts on Quality Management

11. Mr. G. R. Janarthanan, President, National Institute of Quality and Reliability (NIQR)
12. Mr. V. S. Vikram, Director, Meenakshi Sundararajan School of Management

Thrust Area for the Academic Year 2012-13

At its meeting held on 18 July, 2012, the IQAC identified the thrust area for the institution for the academic year 2012-13, as **Initiatives for Research and Faculty Improvement**.

The following **action plan for the year** was outlined by the IQAC:

- Staff members to be encouraged to pursue Ph.D.
- Departments to be encouraged to start M.Phil. / Full-time Ph.D. programmes.
- Staff members to be encouraged to attend orientation and refresher courses.
- Departments to be directed to organize Seminars and Conferences at National and International Levels on research topics
- More staff members to be encouraged to publish papers in peer reviewed international journals.
- Funds to be allocated for capacity building in terms of laboratory equipment and library resources.

Report for the Academic Year 2012-13

The Criterion-wise achievements of the institution during the academic year 2012-13 are summarized below.

Criterion I: Curricular Aspects

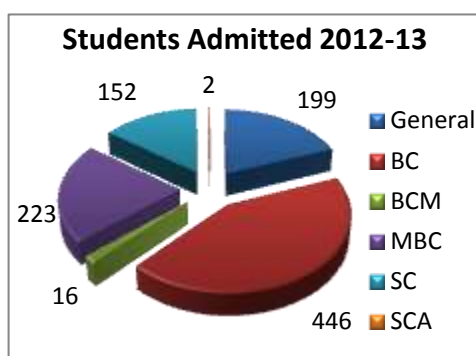
1. Academic Council Meeting

- In its meeting held on 29th August, 2012, the Academic Council passed the following changes:
 1. Introduction of Basic Music as a Soft Skill subject at UG level
Basic Music was introduced as an Optional Soft Skill subject for the under graduate students. The syllabus for the theory and practical was prepared by Carnatic Music experts.
 2. Shifting of papers on Quality Control Circles from II Semester to final Semester
Two papers on Quality circle was shifted from II Semester to IV Semester for all UG courses keeping in mind that the I year students who are fresh from schools are not able to understand the subject fully and they would become more mature to understand the subject after two years of study in the UG Courses.
 3. Regulations for prevention of malpractices in examinations
The Disciplinary and Students Welfare Committee consisting of the Principal and four other Heads of Departments prepared draft regulations for prevention of malpractices in examinations indulged in by students.
 4. Re-arrangements of Part IV papers from 2012-2013 batch of students
In order to have even distribution of papers among the semesters, the part IV subjects have been re-arranged in various semesters (UG & PG) for the batch of students joining from 2012-2013.

Criterion II: Teaching-Learning and Evaluation

1. Student Admissions

Category	2012-13
General	199
BC	446
BCM	16
MBC	223
SC	152
SCA	2
ST	-
Total	1038



2. Demand Ratio Analysis

#	Programme	Applicants	Students admitted	Demand Ratio
1.	B.A. History	92	41	1 : 2.2
2.	B.A. Economics	89	48	1 : 1.9

#	Programme	Applicants	Students admitted	Demand Ratio
3.	B.A. English Literature	63	31	1 : 2.0
4.	B.Sc. Mathematics	988	70	1 : 14.1
5.	B.Sc. Physics	310	50	1 : 6.2
6.	B.Sc. Chemistry	214	76	1 : 2.8
7.	B.Sc. PBPBT	189	30	1 : 6.3
8.	B.Sc. AZBT	229	50	1 : 4.6
9.	B.Com. (General)	1296	70	1 : 18.5
10.	B.Com. (Banking Management)	550	70	1 : 7.9
11.	B.A. Economics*	50	26	1 : 1.9
12.	B.Sc. Mathematics*	53	25	1 : 2.1
13.	B.Sc. Computer Science*	894	46	1 : 19.4
14.	B.Com. (General)*	1717	177	1 : 9.7
15.	B.Com. (Corporate Secretaryship)*	293	51	1 : 5.7
16.	M.A. History	11	6	1 : 1.8
17.	M.A. Economics	3	2	1 : 1.5
18.	M.A. Public Administration*	8	5	1 : 1.6
19.	M.A. Tamil	2	1	1 : 2.0
20.	M.Sc. Mathematics	131	38	1 : 3.4
21.	M.Sc. Physics	78	26	1 : 3.0
22.	M.Sc. Biochemistry*	20	9	1 : 2.2
23.	M.Sc. Information Technology*	56	14	1 : 4.0
24.	M.Com.*	121	39	1 : 3.1
25.	Master of Computer Applications	90	15	1 : 6.0
26.	Master of Computer Applications*	73	13	1 : 5.6
27.	M.Phil. History	3	1	1 : 3
28.	M.Phil. Tamil	3	3	1 : 1
29.	M.Phil. Mathematics	15	3	1 : 5

* Self-financing course

3. Faculty recruitment

The following are the statistics of faculty recruitment to Government-aided posts as well as to posts filled by the College Management.

#	Department	No. of Faculty
1.	Computer Science	2
2.	Commerce	1
	Total	3

4. Faculty Development

Orientation Courses:

#	Name	Department
1	Priya.P	English
2	M. Karpagam	Economics
3	Meenakshi Lakshmanan	Computer Science
4	Suganya R	Computer Science
5	Sindhu Sabariraj	Computer Science
6	B. Suji	Plant Biology and Plant Biotechnology
7	Bakiyalakshmi. V	Commerce
8	Akila Devi .V	English
9	Gajalakshmi M	Commerce

Refresher Courses:

#	Name	Department
1	V. Rajeswari	History
2	Usha Sadasivan	English
3	Meenakshi R	Computer Science
4	S. Jeya	Advanced Zoology and Biotechnology
5	Geetha S	Commerce
6	R. Subha	Plant Biology and Plant Biotechnology
7	Suba Chandrasekar	Physics
8	E.Manjula	Physics

Faculty Development Programmes:

#	Faculty	Department	Programme	Conducted by
1	Meenakshi Lakshmanan	Computer Science	2-day Security Summit	Dept. of Electronics & IT, Ministry of Communications and IT, Government of India
2	Suganya R	Computer Science	2-day Security Summit	Dept. of Electronics & IT, Ministry of Communications and IT, Government of India
3	Meenakshi Lakshmanan	Computer Science	SPSS - 2-day workshop	Institute of Statistics and Analytical Research, Chennai
4	Suganya R	Computer Science	SPSS - 2-day workshop	Institute of Statistics and Analytical Research, Chennai
5	Meenakshi R	Computer Science	Workshop on WEKA	Kongu Arts and Science College, Erode

#	Faculty	Department	Programme	Conducted by
6	Sindhu Sabariraj	Computer Science	Workshop on Research Methodology	Department of Economics in collaboration with Malcolm and Elizabeth Adiseshiah Trust
7	Vanmathi G D	Computer Science	Workshop on Research Methodology	Department of Economics in collaboration with Malcolm and Elizabeth Adiseshiah Trust

5. College Schedule

The College Calendar and Hand Book was published and distributed to all faculty and students at the beginning of the academic year. As always, the book contained details of college working days and holidays, important college functions, the dates of all examinations including those of the mid-semester examinations, model examinations and end-semester examinations.

6. Examinations

All examinations were conducted as per schedule and evaluations done centrally, with a few papers being sent for door valuation. The results were published within 2 weeks of completion of the examinations.

Criterion III: Research, Consultancy and Extension

1. Research Activities

Conferences / Seminars Organized and Eminent Participants

This year, every department organized national / international conferences / seminars centered on research trends. Following are the various such conferences / seminars organized by the various departments:

1. *International Multidisciplinary Conference on Solar Energy – Department of Physics*
 - Dr. Mannar Jawahar, Vice-Chancellor, Anna University.
 - Dr. K.L. Chopra, Former Director, IIT Kharagpur.
2. *Opportunities and Challenges for Women Students - Department of Commerce*
 - Mr. K. R. Ananda, Regional Director, RBI ,Chennai
3. *Recent Trends in Archaeology - Department of History*
 - Sri. S. S. Jawahar, Commissioner, Government Museum, Chennai
4. *FDI in India and its Impact – Department of Economics*
 - Thiru S. Krishnan, Secretary (Expenditure) – Finance Department
 - Dr. R. Vaidyanathan, Professor, Finance and Control, IIM, Bangalore
 - Dr. S. Vaidyasubramaniam IOB Chair Professor, Dean, Planning and Development, SASTRA University, Thanjavur

- Sri. S. Gurumurthy, Chartered Accountant and Columnist
5. *Threshold 2013 - International Seminar on Changing Ethical Perceptions in Literature, Society and Politics - Department of English*
 - Prof. K. Aludaiapillai, I.A.S. (Retd.), Former Secretary to Government of Tamilnadu, Former Vice Chancellor of Madurai Kamaraj University
 - Dr. James Pinder, Optometrist, Mansfield, Nottinghamshire, England
 - Dr. T. Marx, Head, Department of English, University of Pondicherry
 6. *National Conference on Recent Advances in Photonics - Department of Physics*
 - Dr. V.P.N. Nampoori, Professor Emeritus, International School of Photonics, Cochin University of Science and Technology, Cochin.
 7. *National Seminar on Endangered Species & Conservation Measures – Department of AZBT*
 - Prof. R. Thandavan, Vice Chancellor, University of Madras
 - Dr. R. Gunasekaran, Principal Chief Conservator of Forest, Tamilnadu.
 - Mr. Romulus Earl Whitaker, Director, King Cobra Research and Conservation Programme.
 - Dr. G. Christopher, Research Coordinator, Mahatma Gandhi University.
 - Dr. C. Venkatraman, Scientist, Zoological Survey of India, Chennai.
 - Dr. A. Anand Kumar, Scientist, Zoological Survey of India, Hyderabad.
 - Dr. Surendra Varma, Scientist, Indian Institute of Science, Bangalore.
 - Dr. M. Muthuraman, Scientist, TN Agriculture University, Coimbatore.
 - Mr. Shekar Dattatri, Wildlife Filmmaker and Conservationist.
 - Dr. V. Naganathan, District Forest Officer, Tiruvannamalai, Tamilnadu.
 8. *Application of Nanomaterials - Department of Chemistry*
 - Dr. S. Balakumar, Director, National Centre for Nanoscience & Nanotechnology, University of Madras.
 - Dr. R. Jeyavel, Director, Department of Nano Science & Technology, Anna Univ
 - National Seminar on Algebra & Analysis - Gateway to Modern Technology – Department of Mathematics
 - Dr. Kavi Kumar, Senior Lecturer, Department of Mathematics, University Tun Hussein Onn Malaysia, Malaysia
 - Dr. Govindan Rangarajan, Prof, Department of Mathematics, IISc, Bangalore
 - Dr. G. Kalaichelvi, Scientist–E, SAMEER.
 9. *Natural Antioxidants in Plants - Department of PBPBT*
 - Dr. Thangam Menon, Director, Dr. A.L.M. PG Institute of Basic Medical Sciences, Taramani, Chennai.
 - Dr. Bama, Scientist, Gloris Biomed Research Centre, Chennai.
 - Mrs. Kundhala Ravi, Dietician, Sri Ramachandra Medical University.

10. *National Seminar on Micro-finance and Livelihood Promotion - Department of Commerce*

- Mrs. Lalitha Venkatesan, Chief General Manager, NABARD

11. *National Seminar on Bio-active Compounds and Their Impact on Health & Environment - Department of Biochemistry*

- Prof. S. P. Thyagarajan, (Former Vice Chancellor, University of Madras), Professor of Eminence & Dean (Research), Sri Ramachandra University.
- Dr. V. Sivasubramanian, Director, Vivekananda Institute of Algal Technology and Phycospectrum Environmental Research Centre, Chennai.
- Dr. R. Srinivasan, Scientist & Head, Bioorganic Division, CLRI, Chennai.
- Dr. A. Hannah Rachel Vasanthi, Associate Professor, Department of Biotechnology, School of Life Sciences, Pondicherry University.
- Dr. V. Umashankar, HoD & Reader, Centre for Bioinformatics, Vision Research Foundation, Sankara Nethralaya, Chennai.

12. *National Seminar on 'Divya Prabandham' - Department of Tamil*

- Dr. M. A. Venkatakrishnan, HoD, Department of Vaishnavism, University of Madras
- Mr. Avvai Natarajan, Fmr. Vice-Chancellor, Tanjore University

13. *Seminar on Yoga: Traditional Wisdom for Modern Life – Department of Physical Education*

- Dr. Latha Sathish, Managing Trustee, Krishnamacharya Yoga Mandiram
- Dr J. N. Reddy, Madras Academy for Excellence
- Mr. N. P. Krishnan, Art of Living
- Dr. Geetha Shankar, Director, Krishnamacharya Yoga Mandiram
- Mrs. Nrithy Jagannathan, Krishnamacharya Yoga Mandiram
- Ms. Vidhya Vinothini, Isha Yoga
- Dr. Geetha Menon, Chinmaya Mission.

14. *International Conference on Pattern Recognition Applications and Techniques – Department of Computer Science*

- Dr. R. Chidambaram, Principal Scientific Advisor to the Prime Minister
- Dr. Ventseslav Valev, Fellow of the International Association for Pattern Recognition, Full Professor, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria
- Dr. Bidyut B. Chaudhuri, J. C. Bose Fellow and Head, Computer Vision & Pattern Recognition Unit, Indian Statistical Institute, Kolkata, India.
- Dr. Srinivasan Rajagopalan, Principal Innovator, Biomedical Imaging Resource, Mayo Clinic College of Medicine, Rochester, USA.
- Dr. Rishikesh Narayanan, Asst Prof, Molecular Biophysics Unit, Principal Investigator, Cellular Neurophysiology Laboratory, IISc, Bangalore
- Dr. Shajith Iqbal Mohamed, Research Scientist, IBM Research, Bangalore
- Dr. Gowri Srinivasa, Professor, Department of Information Science & Engineering, PES Institute of Technology, Bangalore

- Mr. Kedar Kulkarni, Head, Computer Vision Group, Founder & CEO, Lema Labs Technologies Pvt. Ltd., IIT Madras.

Collaboration with National / International Organizations:

- The Department of Economics collaborated with New India Assurance Co. Ltd. for a research project on “A Study on Awareness of Insurance in Chennai City” in 2012.

Summer projects (minor projects) funded by the College

#	Topic	Department	Grant (Rs.)
1.	Important monuments and historical buildings in Chennai (ongoing)	History	30,000
2.	Safety of Women	English	15,000
3.	சூய உதவிக்குழுக்களின் மூலம் பெண்களின் மேம்பாடு	Tamil	15,000
4.	Empowerment of Women through Self-help Groups	Public Administration, Biochemistry	35,000
5.	Promoting the use of Solar Energy	Mathematics	15,000
6.	Healthy Food Habits	Chemistry	20,000
7.	Usage of Water and Conservation Measures	PBPBT	15,000
8.	A Study of Food Consumption Patterns	Computer Science	15,000
9.	Borrowing Pattern among Lower Income Groups in Chennai	Commerce	20,000
10.	Survey on Municipal Solid Waste Management Practices by Households in Chennai	Economics	20,000

Books published by the faculty

#	Faculty	Books	Publisher
1.	Dr. Usha Sadasivan	Kaleidoscope - a textbook for college students (ISBN 978-81-7966-317-2)	Emerald Publications, 2012
2.	Dr. Lavanya Vedagiri Rao	Microfinance and Livelihood Promotion (ISBN 978-93-8043-010-2)	CBA Publishers, Chennai, 2012

National Journal Publications

Department of Economics

- R. Srinivasan and **M. Karpagam**, *Who Performs Better and Why in Higher Secondary Examinations?*, Journal of Educational Planning and Administration, Volume XXVI, No 4, October 2012, ISSN 0971- 3859.
- **M. Karpagam**, **Geetha Jaikumar** and S Thiagarajan, *Industrial Water Pollution Control Policy in India - Challenges and Opportunities for Improvement*, Knowledge Economy, Half Yearly Journal of Social Sciences, September 2012 Volume 2, Issue No. 2, ISSN 2231-2854.

International Journal Publications

Department of Economics

- **M. Karpagam, Geetha Jaikumar** and S Thiagarajan, *An Appraisal of India's Policy to Control Industrial Water Pollution*, International Journal of Environment and Development, Volume 9, No.1, January – June 2012, Serials Publications, New Delhi, India. ISSN 0973-3574.
- **K.N. Kalyani and N. Padma**, *Life of the Elderly in India – An Inter State Comparison*, International Academic Journal of Applied Economics, November 2012, Volume 3, ISSN 2229-564.

Department of Biochemistry

- **Inbathamizh L** and Padmini E, Insilico studies on the inhibitory effects of calcitriol and 5, 5'-dithiobis-2-nitrobenzoic acid on human glucosaminyl n-acetyl transferase 1 activity, Asian Journal of Experimental Biological Science, Volume: 3(1), 2012, ISSN 0975-5845.
- Jancy Mary E and **Inbathamizh L**, Green synthesis and characterization of nano silver using leaf extract of *Morinda pubescens*, Asian Journal of Pharmaceutical and Clinical research, Volume 5 (Suppl 1), 2012, ISSN 0974-2441.
- **Inbathamizh L**, Insilico studies on the inhibitory effect of flavonoids on angiotensin converting enzyme activity, American Journal of Biopharmacology, Biochemistry and Life Sciences, Vol. 1 (Suppl 1): A07, 2012, ISSN 2166-126X.
- Jancy Mary E and **Inbathamizh L**, Green synthesis and applications of silver nanoparticles from medicinal plant, American Journal of Biopharmacology, Biochemistry and Life Sciences, Vol. 1 (Suppl 1): A08, 2012, ISSN 2166-126X.
- V. Malini Devi, **Inbathamizh L., T. Mekalai Ponnu, S.Premalatha** and **M. Divya**, Dye Decolorization using Fungal Laccase, Bulletin of Environment, Pharmacology & Life Sciences, Vol. 1(3), 2012, ISSN 2277-1808.
- **Inbathamizh L** and Padmini E, Gas Chromatography-Mass Spectrometric analyses of methanol extract of *Moringa oleifera* flowers, International Journal of Chemical and Analytical Science, Vol. 3(5), 2012, ISSN 0976-1206.
- B. Manimegalai, **L. Inbathamizh** and **T. Mekalai Ponnu**, *In vitro studies on antimicrobial activity and phytochemical screening of leaf extracts of *Scaevola taccada**, International Journal of Pharmacy and Pharmaceutical Sciences, Vol. 4(4), 2012, ISSN 0975-1495.
- **Inbathamizh L** and Padmini E, *Ab initio structure prediction of cellular prostatic acid phosphatase and its interactions with anti-cancer ligands*, Journal of Pharmacy Research, Vol. 5(7), 2012, ISSN 0974-6943.

Department of Computer Science

- **K. S. Babai**, S. Poongothai, J. Punniyakotti, *Determination of environmental radioactivity (238U, 232Th and 40K) and indoor natural background radiation level in Chennai city (Tamilnadu State), India*, Radiation Protection Dosimetry (2012), ISSN (Online)1742-3406, ISSN (Print) 0144-8420.
- **K. S. Babai**, S. Poongothai, **K. S. Lakshmi**, J. Punniyakotti, **V. Meenakshisundaram**, *Estimation of indoor radon levels and absorbed dose rates in air for Chennai city, Tamilnadu, India*, Journal of Radio analytical and Nuclear Chemistry (2012), 293 (2), ISSN (Print) 0236 – 5731, ISSN (Online) 1588-2780.

Department of Commerce

- **R. Santhi**, *Perception and Consumer Behaviour towards private labels at retail outlet in Chennai city-An empirical view*, International Journal of Research in Commerce & Management, Volume 3, Issue 03, March 2012, ISSN 0976-2183.

National Conferences / Seminars

Department of Economics

- **Shanthi Raja**, *Socio- Cultural Quandary of Women Managers in India*, National Seminar on Dynamics of Modern Business – Strategies and Tools for Enhancement”, 2012.

Department of English

- **T. Ambika**, *A Lesson in Language Skills: An Analysis of Devaki Nilayamgode's Antherjanam memoir of A Namboodri Woman*, National Seminar on English Language and Literature across cultures, 2012, ISBN 978-81-292397-07.
- **T. Ambika**, *The voice of the voiceless: The statement of Bama in the Postscript of the novel Karukku*, UGC Sponsored National seminar on Evolution in the field of Fiction in Indian Writing in English, March 2012, Laser Park Publications, ISBN 978-81-910472-2-6.
- **S. Jayanthi**, *Relevance of Dickens's writings to the Present Generation*, UGC Sponsored National Seminar on Writings of Robert Browning and Charles Dickens, September 2012, ISBN 978-81-910738-4-3.
- **P. Priya**, *The Humanitarian and the Child Psychologist –Dickens for all Times and for all Ages*, UGC Sponsored National Seminar on Writings of Robert Browning and Charles Dickens, September 2012, ISBN 978-81-910738-4-3.

Department of Advanced Zoology and Biotechnology

- **Jeya S**, Effect of Piper beetle on the motility and acetylcholinesterase activity of Cotylophoroncotylphorum, Indian Science Congress (Chennai Chapter), 2012.

Department of Biochemistry

- **Inbathamizh L**, *Insilico studies on the inhibitory effect of flavonoids on angiotensin converting enzyme activity*, International seminar On Biosciences - Trends in Molecular Medicine, ICBTMM-12,2012.
- **Inbathamizh L**, *Enhancing effect of green tea polyphenols on src homology 2 containing inositol phosphatase II in self haematopoietic stem cell development*, International Seminar on Bio-chemistry for Tomorrow's Medicine, 2012.

Department of Tamil

- P.Sathiyabhama, *வேதாத்திரி மகரிஷியும் திருவள்ளுவரும் – ஓர் ஒப்பீடு*, தேசிய மாநாடு – அறஇலக்கியம், 2012.
- S. Alamelumangal, *தேவார திருக்குறள் கருத்தொருமை*, தேசிய மாநாடு - பழனி அற இலக்கியம், 2012.
- S. Alamelumangal, *தமிழும் இஸ்லாமும்*, National Seminar on Correlation and Co-ordination of Tamil & Urdu Literatures, 2012.

Department of PBPBT

- **Selvi V**, Invitro Antimicrobial activities from flower extracts of *Cassia alata*, National Conference – Quest for Innovation in Nanotechnology, 2012.

International Conferences / Seminars

Department of English

- **T. Ambika**, Social Conflicts and Identity Formation: A Study of Arabam Somarendra's The Unrecognized Soldier, International Seminar on Cultural Studies 2012. ISBN 978-80017-09-9.
- **Usha Sadasivan**, Dickens' preoccupation with the mechanisms of the child's mind, International Conference on the Contemporaneous Effect of Charles Dickens and His works, 2012, ISBN 978-81-910827-8-4.

Department of Commerce

- **K. Geetha**, *Venture Capital*, ICON 12 - International Conference on Competitive Business Strategies for Sustainable Development, 2012.
- **P. Rekha**, Contributory Factors to Stress with reference to School & College Teachers, International Conference on Corporate Excellence in the Challenging Global Scenario, 2012.

2. Extension Activities

Awards and Recognitions for Extension Activities (2012-2013)

- Excellence Award – Lions Campus Clubs of Meenakshi College for Women for Comprehensive Mega Health Camp, Single Teacher School Program and Support to Lions Clubs International's 'Measles Minus Programme'
- Award for Membership Retention (no drop in membership) - Lions Club of Chennai Meenakshi
- Award for Membership net growth - Lions Club of Chennai Meenakshi
- Award for 'Sight First Service Activity' - Lions Club of Chennai Meenakshi
- Award for Membership Retention (no drop in membership) - Lions Club of Chennai Meenakshi Sundararajan
- Excellence Award - Ln. S. Jeya, Zone Chairperson, Lions Club of Chennai Meenakshi
- The Swami Vivekananda Rural Development Society appreciated the visit to the single teacher schools by our students and have registered their words of appreciation in their annual report.
- Lions Blood Bank recognized the Campus Lions Clubs for their services rendered to cause of blood donation
- Lions Eye Bank presented an award to the Campus Lions Clubs for creating awareness about eye donation
- Madras Voluntary Blood Bank has recognized Meenakshi College for the yeoman service rendered to the cause of blood donation.
- Indian Red Cross Society Award for the college students donating the maximum number of units of blood every year

Dr. K. S. Lakshmi, Secretary of the College, was presented with the following honour for her service to the community:

- The title ‘Sri Sharada Bhaktamani’ was bestowed on Dr. K. S. Lakshmi in 2012 by the Jagadguru Shankaracharya, Sringeri Sharada Peetham, for her distinguished service to the community, after the consecration of the newly built Sri Sharadamba Temple in the campus.

NSS / Lions Clubs Activities

- Two new Campus Lions Clubs for students were started this year on popular demand:
 - Lions Club of Chennai Topaz
 - Lions Club of Chennai Ponnamma
- The KRS Free Medical Centre continued to provide free services to the poor and needy in the neighborhood of the college.
- The annual Mega Health camp was conducted by the Campus Lions Clubs in which free medical services were provided to the needy in the neighborhood of the college. The camp included free health checkup, free medicines, dental checkup, eye checkup, free cataract surgeries and free spectacles, diabetes screening and Ayurvedic medicines.
- Blood Donation camps were conducted twice during the year.
- The Government of Tamil Nadu distributed school uniforms to all the children of Chennai (Corporation) Schools this year. Hence, taking note of the requirement of belts for the uniforms, 500 belts were made to order and distributed to students of Chennai School, Puliyur, by the Campus Lions Clubs and NSS.
- Intercollegiate Leadership Training Programme was conducted by the Lions Campus Clubs on 7 & 8 Sep 2012.

Remedial Classes

Remedial classes continued this semester for the new batch of I year UG students who require additional support in English and Mathematics, and senior students tutored them every day after college hours.

Visit to Single Teacher Schools

This year too the entire college visited various Single-teacher Schools in three Districts of Tamil Nadu, viz. Thiruvallur, Kancheepuram and Chengalpet. The organizers of these schools provided the feedback that these visits from Meenakshi College have greatly enthused the children and increased the enrollment in these schools.

Criterion IV: Infrastructure and Learning Resources

1. Additions to General Infrastructure

- The temple for Goddess Sharadamba, the Goddess of learning, was consecrated by His Holiness Jagadguru Shankaracharya, Sri Bharathi Theertha Mahaswamigal, of the Sringeri Sri Sharada Peetham on 19th June, 2012. The temple has been built tastefully and is beautified by an awe-inspiring 120-ft tall Rajagopuram which can be seen from across the Kodambakkam overbridge, a ramp for easy accessibility for old people, and by spacious mandapas on both floors of the temple building.

- The foundation for the Sri Sringeri Sharadambal Meenakshi Sundararajan Multispeciality Hospital was laid by the Jagadguru Shankaracharya in June 2012 inside the campus. This upcoming hospital is slated to soon provide high-end medical services in this campus.
- The re-furnished library was inaugurated in June 2012 by the Jagadguru Shankaracharya and was named after the Jagadguru by the College Management as “Sri Bharathi Theertha Library”.

2. Additions to Computing and Related Resources

- The internet leased line for the College was upgraded from 8 Mbps to 20 Mbps, with Optical fibre connectivity to the college and also across buildings within the campus. This provides lightning speed internet access to the campus including to all computer systems in the Computer Center and laboratories, with 99.9% up-time.
- A college office management software CCMS was purchased and deployed in the central servers for the College Office to access and use for all financial management and student information management.

3. Additions to Laboratories

Physics Laboratory

- 8086 Microprocessors
- Digital Gauss meter
- Function Generator

Computer Science Laboratory

- HP Laserjet P1007 Printer, Multimedia Speakers, Rider Wireless Microphone Receiver Tekniks TX-200 Amplifier with Speakers and Cordless Microphone and Backlit Display Board with Tripod Stand were gifted by the Computer Science Students to Abhinava Vidyatheertha Computer Centre
- CoRMS Enterprise Edition V5.0.1 was purchased for online Stock Maintenance for both IT and non-IT inventory. The software was deployed in the Computer Center servers.

4. Additions to the Library

The library procurements for the year 2012-13 are summarized below:

#	Department	New books procured
1.	History	10
2.	Economics	32
3.	English	21
4.	Public Administration	7
5.	Tamil	317
6.	Mathematics	36
7.	Physics	50
8.	Chemistry	11

9.	Plant Biology and Plant Biotechnology	3
10.	Advanced Zoology and Biotechnology	6
11.	Biochemistry	8
12.	Computer Science	11
13.	Commerce	32
	Total	544

Total number of books in the library = **48,284**

The number of journals subscribed to this year is given in the table below:

National Journals	International Journals	Total number of journals
19	17	36

Criterion V: Student Support and Progression

1. Student Scholarships

The College provided the maximum possible financial help to complete their studies. The summary of the Scholarships disbursed this year is provided below:

Government & University Endowment Scholarships

#	Scholarship Type	Students	Amount
1.	SC/ST & SCC Scholarship	472	20,36,447
2.	BC Scholarship	639	10,53,308
3.	MBC Scholarship	358	5,82,473
4.	Physically Handicapped – Disabled Students	5	15,000
5.	Central Sector Scholarship	199	19,90,000
TOTAL		1,673	56,77,228

Private Scholarships

#	Details	Students	Amount
1.	Maharani Vidyavathi Devi of Vizianagaram Trust	415	10,43,000
2.	Rajasthani Association of Tamil Nadu Scholarship	20	30,000
3.	Thangamaligai Mahalakshmi Trust Scholarship	9	45,000
4.	Jaigopal Garodia Scholarship	2	2,000
5.	Computer Point Scholarship	1	4,000
6.	Janaki Sundaram Trust Scholarship	1	5,500
7.	Tamil Nadu Congress Committee Scholarship	1	9,000
8.	Sree Venkateswara Students Hostel Scholarship	1	600
9.	Lioness Council District 324A5 - Scholarship	1	5,000
10.	Sri Bhuvanaraghavan Memorial Charitable Trust	1	5,000
11.	Individual Sponsors	5	41,200
TOTAL		457	11,90,300

2. Academic Performance of Students

Given below is the programme-wise pass percentage of students in the academic year 2011-2012.

#	Course	Pass Percentage
1.	B.A. History	90
2.	B.A. Economics	98
3.	B.A. English Literature	98
4.	B.Sc. Mathematics	91
5.	B.Sc. Physics	100
6.	B.Sc. Chemistry	91
7.	B.Sc. Plant Biology and Plant Biotechnology	95
8.	B.Sc. Advanced Zoology and Biotechnology	100
9.	B.Sc. Computer Science	100
10.	B.Com. (General)	100
11.	B.Com. (Banking Management)	100
12.	B.A. Economics*	94
13.	B.Sc. Mathematics*	94
14.	B.Com. (General)*	99
15.	B.Com. (Corporate Secretaryship)*	100
16.	M.A. History	100
17.	M.A. Economics	100
18.	M.A. Public Administration	100
19.	M.A. Tamil	100
20.	M.Sc. Mathematics	97
21.	M.Sc. Physics	100
22.	M.Sc. Biochemistry	100
23.	M.Sc. Information Technology	100
24.	M.Com.	97
25.	M.C.A.	100
26.	M.C.A.*	100
27.	M.Phil. History	100
28.	M.Phil. Tamil	100
29.	M.Phil. Mathematics	50

* Courses offered in Shift II

3. Student Placements

Though by policy the College does not encourage placements at the UG level because its aim is to motivate girl students to pursue higher studies, it goes all out to woo recruiters to hire students from the PG courses. Further, the college also recognizes the compulsions of some students of having to take up jobs after their UG degree itself, and hence organizes placements for them too.

The Placement Cell of the College is an active body that arranges for various reputed companies to visit campus and recruit students every year. Meenakshi College has been the

Campus of Choice for many renowned multinational companies. The student placement statistics of this year are presented below:

#	Company	Selected
1.	Aspire Systems	1
2.	Bajaj Allianz	1
3.	Cognizant Technologies - ITeS	11
4.	Cognizant Technology Solutions	10
5.	India Metal Works	3
6.	MR Matriculation School	10
7.	NTT Data	12
8.	RR Donnelley	29
9.	SAP Labs	1
10.	Scope International	45
11.	Tata Consultancy Services	2
12.	Wipro	18
Total		143

The following tables provide data regarding student progression in the academic year 2011-12 to higher studies, employment and entrepreneurship.

Student progression from UG

#	UG to PG %	Employed %		Entrepreneurs %
		Campus	Off Campus	
1.	33.81	27.94	22.51	1.44

Student progression from PG

#	PG to MPhil %	PG to Ph.D. %	Employed %		Entrepreneurs %
			Campus	Off Campus	
1.	14.12	1.76	20.00	24.12	4.71

Student progression from M.Phil.

#	M.Phil. to Ph.D. %	Employed %	Entrepreneurs %
1.	10.00	50.00	10.00

Number of students who took up competitive examinations

#	NET / SLET	GATE / CAT	GRE / TOEFFL / GMAT	Govt. Services
1.	68	169	18	265

4. Remedial Classes

Students who require additional support in English and Mathematics were identified in the first semester of the UG course as was done last year, and peer-to-peer remedial coaching was given after college hours everyday.

Annexure I provides the reports of the students' performance, which include a graphical representation of the performance of students who required such additional assistance in 2010-11, and those in 2011-12 who attended the remedial classes. The details seen therein are themselves proof of the effectiveness of the remedial classes.

It was observed that the students vastly improved as a result of this unique initiative of the college to provide additional academic support to students.

5. *Student Progress Monitoring and remedial measures adopted*

Annexure II provides the reports of the community-wise student progress monitoring system for the academic year 2011-12.

Annexure III provides the reports of the arrears monitoring system for the academic year 2011-12.

6. *Student Achievements*

- J. Amsalekha (Department of Plant Biology and Bio Technology) has completed “C” certificate – Paramilitary Force – March 2013.

Sports

#	Sport	Contest Level	Achievement
1	NCC	National	Selected by Government of India for Youth Exchange Programme at Andaman & Nicobar Islands
2	NCC	National	Participation in Republic Day Parade at New Delhi
3	Rifle Shooting	State	1 gold, 2 silver medals

NCC

- Cadet S. Vijayshanthi of I B.Sc. Chemistry and Cadet A. Soumiya of I B.Sc. Physics were the proud participants from our college in the Republic Day Parade 2012 at Marina Beach, Chennai. They represented the First Tamil Nadu Girls NCC Battalion.
- Nine NCC Cadets attended the All India Trekking Camp 2012 held in the Nilgiris in May 2012.
- 35 Cadets appeared for the ‘B’ certificate examination held at Pachaiappa’s College, Chennai in February 2012. All 35 cadets passed the examination successfully.

Criterion VI: Governance, Leadership and Management

1. *Temple Consecration*

The renovated temple for Goddess Sharadamba, the Goddess of Learning, in the campus was consecrated by the Jagadguru Shankaracharya of Sringeri Sharada Peetham, His Holiness Sri Bharathi Theertha Mahaswamigal.

2. *Laying of the foundation stone for a Multi-speciality hospital on campus*

The Jagadguru also laid the foundation stone for the hospital.

3. *MoUs entered into with various research institutions*

The College Management spearheaded the initiative to enter into MoUs with various research institutions and industrial bodies so that the college and the institution may derive mutual benefit in the spheres of research, consultancy, student progression and curriculum development. The following is the list of MoUs signed by the College this year:

#	Organization	Collaborating Department
1.	R.E.A.C.H. Foundation	History
2.	Government Oriental Manuscripts Library & Research Centre	History
3.	Tamil Nadu State Department of Archaeology	History
4.	Intellectual Property Rights Attorneys Association	English
5.	National Institute for Research in Tuberculosis (NIRT), Indian Council of Medical Research (ICMR)	Mathematics
6.	Tamil Nadu Small and Tiny Industries Association (TANSTIA)	Physics
7.	National Institution for Quality and Reliability (NIQR)	Physics
8.	Centre for Climate Change & Adaptation Research (CCCAR), Anna University	AZBT
9.	Department of Environment, Government of Tamil Nadu	AZBT
10.	Forest Department, Tamil Nadu	AZBT
11.	Karvy Stock Broking Ltd.	Commerce
12.	Shankara Nethralaya	Public Administration
13.	Council of Scientific and Industrial Research (CSIR) / Central Leather Research Institute (CLRI)	Biochemistry
14.	National Institute of Electronics and Information Technology (NIELIT), Department of Information Technology, Ministry of Communications and Information Technology, Government of India	Computer Science
15.	Empowering Women in IT (eWIT)	Computer Science
16.	International Institute of Tamil Studies	Tamil

4. Department and Faculty Appraisals

Annexure IV contains the Department and Faculty reports for the academic year 2011-12.

5. Proposal to start M.Phil. and Ph.D. Programmes to give an impetus to Research

The College has submitted applications to the University of Madras to introduce more M.Phil. and Ph.D. Programmes. The programmes proposed are listed below:

1. M.Phil. Economics - Full-time
2. M.Phil. Physics - Full-time
3. M.Phil. Computer Science - Full-time
4. M.Phil. Computer Science - Part-time
5. M.Phil. Commerce - Full-time
6. Ph.D. History – Full-time
7. Ph.D. History – Part-time

Criterion VII: Innovation and Best Practices

- The MoUs signed by the College with various reputed institutions has cemented the existing relations with these institutions and has set the ball rolling for future research collaborations with and possible placement opportunities for students in these institutions.
- The systematic appraisal of departments and faculty has been undertaken the past year as well and has been a fruitful exercise.

Conclusion

In its meeting held on 14 March, 2013, the IQAC reviewed the above achievements of the institution on the basis of the goals set by it at the beginning of the academic year.

The IQAC noted that many faculty members attended orientation/refresher courses conducted by the University Academic Staff College and were appreciative of this fact.

The MoUs signed by the College with various reputed research and industry organizations was highly lauded by the IQAC for not just the quantity of such collaborations achieved in a single year but also for their quality.

The national and international conferences conducted by various departments were hugely successful and provided a window of access to latest research findings and trends for all faculty members and students. The students' feedback indicated that they were motivated to pursue a career in research thanks to these seminars and conferences.

The IQAC was pleased to place on record its appreciation for the sincere efforts put in by the entire college fraternity in making this year truly one of 'Quality Initiatives in Research and Faculty Improvement'.