



TARGET

AN ANNUAL IQAC Newsletter

VOL No.11
2016-17

The IQAC Team

Secretary

Rev. Sr. Mary Lucy Juliet

Chairperson

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Principal

IQAC Coordinator and Editor

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Associate Professor of Chemistry

Members

Mrs. S. Anuradha
Dr. R. Mary Josephine
Dr. K. Indirani
Dr. V. G. Vasudha
Dr. Pawlin Vasanthi Joseph

Editorial

Quality of Higher Education is quite questionable in global context and in terms of knowledge imparted. Majority universities are incapable of meeting international standards of HE. Crucial gaps in quality of HE call for focused approach to assure and enhance standard. Quality of Teacher Educators is an important factor that decides the quality of Higher Education. Faculty must be current and active in their discipline and have the necessary technical depth and breadth to support the program. A Teacher must be

- ❖ A Planner for 21st Century Careers - Develop Learning plans for multiple career life path of students
- ❖ An Instructor for different ways of Learning - Experiential, Authentic and Differentiated Instructions
- ❖ A Technology Designer for Learning – Knowledge marked by an Integration in Technology, Pedagogy and Content

Education is not just transfer of Knowledge. It is rather training of the mind to think and face the challenges in Life. Lets us not aim at promoting Excellence in Teaching. Let us promote Excellence in Education.

Vision

To ensure that quality is the defining element of education at Nirmala College, through sustenance initiatives.

Mission

- Assessing progress and monitoring growth in the institution by monthly evaluative meetings
- Discerning a critical appraisal of what has been achieved to promote quality and project an annual agenda for the future
- Stimulating innovate teaching learning strategies by generating e-content material
- Linking with industry by offering certificate/diploma or credit courses based on the needs of industry
- Pursuing quality related research and training programme
- Enhancing discipline specific placement opportunities



NIRMALA COLLEGE FOR WOMEN, Coimbatore - 18. Tamilnadu

www.nirmalacollegeonline.ac.in

Activities of IQAC 2016-17

- 15.06.16 Orientation Programme on “Life Skills” by Rev. Fr. Jegath Gaspar, Goodwill community, Chennai
- 12.07.16 Demonstration of Hatha Yoga for Staff members by Jayanthi Prasanth Yoga trainer.
- 02.08.16 Breast feeding awareness programme for students by Dr. Krithika G, Rao Hospital, Coimbatore
- 11.08.16 Talk on Implications of New Education Policy by Rev. Father Maria Joseph, St. Joseph's Matriculation School, Ondipudur
- 27.08.16 Orientation Programme for Staff members on Institutional Preparation for College with Potential for Excellence
- 07.09.16 Awareness to Rank holders among I PG Students on the Scholarship by UGC
- 14.09.16 Motivated II PG students and staff members to send proposals for mini projects to TANSCH
- 12.10.16 Orientation to staff members on Institutional participation for NIRF
- 02.12.16 FDP on Research, Consultancy and Extension by Dr. N. Latha, Associate Professor of Biochemistry and Coordinator DBT-BTISNet Bioinformatics centre, Sri Venkateswara College, New Delhi
- 17.02.17 Seminar on “IPR and Highly Effective Teaching Learning Methodologies” by Dr. M. Kantha Babu, Professor, Department of Manufacturing Engineering, Anna University, Chennai

Highlights

DBT Star College Scheme Departments of Mathematics, Geography and Computer Science to receive support under DBT Star College Scheme in addition to the Departments of Botany, Zoology and Chemistry.

Financial Assistance (I Instalment) of Rs. 52,50,000/- released under **DST-FIST** Programme

TNSCST has sanctioned a sum of Rs. 1,00,000/- to the Department of Botany under **DISSEMINATION OF INNOVATIVE TECHNOLOGY** scheme for conducting training in “Contemporary Innovative techniques in Horticulture and gardening”

Awards

Proud moment for Nirmala – Nature Conservation Society- Eco Award 2016-2017

- The Department of Geography received the award for making more than one lakh newspaper bags and distributing them free of cost to the nearby shops, canteens in the campus and shops run by self Help Groups in a drive to reduce the use of plastics.
- The Department of Botany received the award for conserving maximum flora of the endangered species.
- The College magazine - **Tamil Nadu Best College Magazine Award** by Divyodaya, Coimbatore.
- The College - “**The Pride of the Catholic Church**” Award - CBCI-Office for Education and Culture, New Delhi.
- The College - **Certificate of Appreciation** by the Indian Red Cross Society for active participation.
- Dr. Sr. I. Arockiarani, Principal, Nirmala College for Women received
 - **Vocational Excellence Award** from Coimbatore Rotary Galaxy
 - **IMRF Excellence Award** in Mathematics for extensive research contribution to Mathematics.
- Dr. N. Gunavathy, Assistant Professor of Chemistry - **Best Teacher Award** - Aufau Periodicals Chemical Science Review and Letters
- Dr. R. Kavitha, Dept of Commerce - **Best Teacher Award** - Nehru group of Institutions, Coimbatore
- It has been a hat trick for the Department of Geography. For the past three years our students have won the '**Young Geographer Award**' in the Undergraduate category conducted by The Indian Geographical Society at the state level. Nithya Subashini U. (III B.Sc. Geography) has won the 'Young Geographer 2017 Award'. The award named after the IGS founder Prof. N. Subrahmanyam carries cash prize of Rupees Five Thousand.



Initiation of new Programmes

- B.Sc., Physics
- Research in Tamil

International Conference in Mathematics and Computer Science – 15th and 16th December, 2016

Resource persons were Prof. Dr. E. Balaguruswamy, Former Vice-Chancellor of Anna University, Chennai, Dr. Changhyuck Oh, **Korea**, Dr. Gang Liu, **China**, Prof. Dr. Pankaj Srivastava, Allahabad, Dr. S. Ponnusamy, Chennai, Dr. V. N. Manjunath Aradhya, Mysore, Mr. Liu Zhihong, **China**, Mr. S. Vibin Chander, **Ghana**, West Africa, Dr. Lellis Thivagar, Madurai, Mr. Pratyush Praveen, IBM Analytics and Dr. Robert Lourdasamy, Coimbatore.



Activities of the College of the year 2015-16 & 2016-17 have been compiled by Dr.G.Geethamalika, IQAC Coordinator.

Cornucopia

General Awareness book “Cornucopia” was compiled by the Dean of Academics, Dr. Sheba Frederic to be followed from 2016-17 onwards.

Paper Presentation by the faculty at International Conference held abroad

- **Dr. Sr. I. Arockiarani**, Principal, presented a paper at the 19th International Conference on Mathematical Sciences and Statistics (ICMSS 2017) at Venice, Italy during 13-14 April, 2017
- **Dr. Julia Rose Mary**, Associate Professor of Mathematics, presented a paper at the 19th International Conference on Mathematical Biology (ICMB 2017) at Barcelona, Spain during 26-27 May, 2017.

QUADRAGENNIAL CELEBRATION - DEPARTMENT OF COMMERCE

The Department of Commerce celebrated its 40th year –Quadrageennial celebration on 3rd December 2016. Renowned Alumni of the Department delivered Lectures on “Present scenario of the industrial segment, Black money and the associated problems”, “Importance of Women Education, Empowerment of Women, Gender discrimination and its effects” and “The need for the skill development for improving the employability of the students”.



Department of Computer Science organized

- ISTQB Certification training and workshop with International internship. **Mr. Vibin Chandar S**, Campus Head, **Blue Crest University, Ghana, West Africa** was the resource person.
- An interactive session with **Mr. Cottanlango Leon**, Oscar award winner from Sony Picture Image Works, Columbia, Canada.

DIAMOND JUBILEE CELEBRATION – DEPARTMENT OF GEOGRAPHY

A symposium titled 'Making the connections - the role of Geography' was held on the 4th of August 2017 to commemorate the diamond jubilee of the department of Geography. Dr. V. Nagarathinam, retired Scientist, Institute of Remote Sensing, Anna University, Prof. Y. Subbarayalu, French Institute, Pondicherry, Dr. Chandrasekar, Institute of Geographical studies and Ms. Devi of Biobasics were the resource persons. This was followed by a Geo quiz and an exhibition for school students.



MoU

Nirmala College for women signed and exchanged Memorandum of Understanding with IBM - International Business Machines on 07.09.16 to offer career Education which will enhance the industrial skills of the students.

ENTREPRENEURIAL DEVELOPMENT CELL

The Entrepreneurial Development Cell under the patronage of EDI was inaugurated by Ms. Arundati, Coordinator, EDI, Tamilnadu on 13.03.2017. The objective of the Cell is to create awareness on entrepreneurship, to develop entrepreneurship and communicative skills among the students. It is imparting the curriculum recommended by WADHWANI Foundation.

B. Pavithra Devi, III B.Sc Chemistry has been awarded in the Inter-Collegiate Kavithai Competition conducted by Kovai Vasantha Vasal Kavimandram

P. Anusha, II BSc., Chemistry won Gold medal in the All India Hindi Essay Writing Competition conducted by Shri Ram Chandra Mission, Coimbatore.

BALL BADMINTON TOURNAMENT



Nirmala College Team is the winner in the Bharathiar University Inter - Collegiate Ball Badminton Tournament hosted by our College

The following faculty have produced candidates for PhD awards

Dr. P. Maheswari	Assistant Professor of Tamil
Dr. R. Aseda Fatima	Assistant Professor of English
Dr. G. Rekha Pai	Former Head of Economics
Dr. C. Amirtha Jothi	Associate Professor and Head, Department of History (Retd)
Dr. S. Padmavathy	Associate Professor of Botany (Retd)
Dr. Sheba Frederic	Associate Professor of English

Faculty Awarded PhD

Mrs. Evelyn Louisa	Department of Business Management
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Faculty who cleared SET

- Dr. M. S. Jesintha Grace Department of Tamil
- Ms. A. Franchina Mary Department of Geography
- Dr. A. Arockia Lancy Department of Mathematics (SF)
- Dr. S. Sivashankari Department of Bioinformatics
- Dr. U. Danya Department of Botany

Major and Minor Research Projects

S. No	Name of the faculty	Department	Funding agency	Amount sanctioned
1	Dr. Sr. Arulseeli	Tamil	UGC –SERO Hyderabad	95,000
2	Dr. Sr. Regina	Tamil		1,35,000
3	Sr. M. Arul Sheeba Rani	Botany		1,80,000
4	Dr. A. Sahaya Sudha	Mathematics		5,00,000

Books Published by Faculty

- Dr. Sr. A. Arulseeli, Head of the Department of Tamil has published a book on “Kavithai Padiya Vanampadi Puviyarasu”
- The Faculty members of the Department of Zoology have published Lab manuals for all the Practical courses under DBT Star College Scheme



The Postgraduate Department of English has compiled and edited an In-House Book titled “**Literature for Competency**” for PG English Literature students to widen their knowledge in the arena of Modern Literature and meet out the challenges in the contemporary competitive edifying world.

Conferences/Workshops organized availing Grants

S. No	Date	Department	Workshop/ Conference/ Symposium	Topic	Amount Sanctioned	Sponsored by
1	29.07.16	History	National Seminar	Environmental History	32,000	ICHR
2	02.02.17 03.02.17	Botany	Science academies Lecture Workshop	Glimpses of Plant Sciences	98,000	NSA

Publications /Paper Presentations

Presentations at National/International conferences	53
No. of Books published including Lab manuals	10
Publications in Journals	108

Fellowship

- **D. Jeyasudha** – Dept of Botany received a fellowship (**Tamilnadu Educational Trust Scholarship For Meritorious & Economically Backward Students**).
- **Stegy. V.J**, Full time research scholar in Commerce has been selected under “Research Fellowship for Research Scholars” and a sum of Rs. 3,00,000/- has been sanctioned
- **Maulana Azad National Fellowship for Minority Students by UGC**
 - Mary Margaret A - PhD (Mathematics)
 - Helen Mary. V - PhD (English)
- **Indhira Gandhi Single Girl Child Scholarship by UGC**
 - Mohika A M - M.Sc. Chemistry
 - Stefeena A - M.Sc. Mathematics
 - Bhavani C - M.Sc. Zoology
 - Deepika G - M.Sc. Zoology
 - Manimekala K - M.Sc. Zoology
 - Nithya G - M.Sc. Zoology
 - Raphaelina Swathy - M.Sc. Mathematics

Achievements in Sports and games

S. No	Date	Name of the Student	Award
44th Senior state power lifting and Senior Bench press Championship			
1	23.07.16	K.Kalaimathi, II BA Economics	Third place in Bench press
		R. Geetha, III BA History	First place in bench press
		R.Nandhini, II M.Com	Second place in bench press
		R.Mangaiyarkarasi, II BSc Zoology	Third place in bench press
		Y.Sindhuja, III BA History (These girls represented for Coimbatore district.)	Second place in bench press Third place in power lifting. Our Coimbatore district team secured overall second place.
31st Tamilnadu Inter district Junior Athletic championship-16			
2	05.08.16 to 07.08.16	S.K.Logamuthra, I B.Com	Third place in Heptathlon event and third place in High Jump.
		P.Priyanka, I BSc., Maths (These girls represented Coimbatore district.)	First place in Shot put.
South Zone Junior National Atheletic Championship.			
3	02.10.16 to 08.10.16	P. Priyanka, I BSc., Maths	Second place in Shot put.
1st Tamilnadu State Sports Aerobics & Fitness Championship16-17			
4	08.10.16	A. Agens Judith, I B.Sc., Chemistry	First place
50th Senior national Kho-kho championship			
5	19.10.16 to 23.10.16	S.Lavanya, II BA Economics	Represented Tamilnadu
30th Tamilnadu state Junior open Atheletic championship -16			
6	21.10.16 to	S. K. Logamuthra, I B.Com	Second Place in Heptathlon
		P. Priyanka, I B.Sc., Maths	First place in Shot put.
		Suvetha, I B.Com.	Second place in 4X400 mts relay
32nd National Junior Atheletic Championship			
7	10.11.16 to 14.11.16	S.K.Logamuthra, I B.Com P.Priyanka, I Maths	Represented Tamilnadu state.

20th Tamilnadu state Senior Weight lifting Championship

8	05.11.16 to	A. Sowmiya, II B.Sc., Zoology	Third Place - 53kg Weight category
		R. Nandhini, II M.Com	Third Place - 58kg Weight category
		Y.Sindhuja, III BA History	Third Place - 63kg Weight category
		R. Mangaiyarkarasi, II BSc.,Zoology	Third Place - 69kg Weight category
		P. Priyanka, I B.Sc., Maths	Second Place - 75 kg weight Category
		S.Kirubamathi I Maths (Represented Coimbatore District)	Second Place - +75 kg weight Category. (Coimbatore District team secured Overall Second Place.)

Tamilnadu state Junior, Master and Inter School Power lifting Tournament.

9	18.11.16 to	R.Nandhini, II M.Com	Third Place - 63kg Weight category
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Tamilnadu Inter University Athletic meet

10	03.01.17 to	P. Madhupriya, I MA History	I place-cash prize-Rs 10000
		P.Priyanka, I B.Sc., Maths	Third place-cash prize-Rs 5000.

Chief minister's Trophy state level weightlifting Tournament

11	15.01.17 to 17.01.17	P. Priyanka, I BSc., Maths	Second place in 75kg weight Category- cash prize- Rs.75,000
		Y. Sindhuja, III BA History	Third place in 63kg weight Category-cash prize- Rs.50,000

Chief Minister's Trophy state level Gymnastics Tournament

12	19.01.17 to 21.01.17	Agnes Judith, I BSc., Chemistry	III place - uneven Bars competition-cash prize -Rs.50,000
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Chief Minister's Trophy state level Judo Tournament

13	04.02.17 to 06.02.17	S. Hepzibah, II B.Sc. C.Sc.	Third place cash prize -Rs.50,000
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Activities of YRC

S. No	Date	Name of the Programme	Resource Person(s)
1	28.07.2016	World Hepatitis Day	Dr. V. Booma Pediatrician Krishna Child Care, Coimbatore
2	29.11.2016	Workshop on Disaster Management	Dr. Chandra Krishnan, YRC Coordinator and Assistant Professor of Government Arts College, Coimbatore.
3	06.10.2016	Blood Donation	33 students and 2 staff members donated Blood

Activities of NSS

S. No	Date	Activity	Organizer
1	07.10.16 to 16.10.16	Pre – RD Camp 16 at NIT, Trichy	The Ministry of Skill Development, Entrepreneurship, Youth Affairs and Sports, Government of India

Activities of NCC

S. No	Date	Event	No. of Cadets	Venue
1	17.09.16	NCC National Games Training camp for Army	1	YMCA Nandhanam, Chennai
2	07.01.17	NIC II	1	PSG College of Technology
3	18.01.17-	NIC KUCHIPUDI	1	Delhi

Fine Arts

185 inside college 166 outside college

Placement

No. of programmes Organized - 10
No. of On-campus drives - 4
No. of Off-Campus drives - 6
No. of students placed - 153

Staff Voice

Outcome Based Education

Teaching approach is a set of principles or ideas about the nature and method of teaching and learning which is translated into classroom. There are two approaches to teaching and learning philosophies in Education. They are “Content Based Education (Input Based /Traditional)” and “Outcome Based Education (Competency Based).

Outcome based education (OBE) is student-centered instruction model that focuses on measuring student performance through outcomes. Outcomes include knowledge, skills and attitudes. Its focus remains on evaluation of outcomes of the program by stating the knowledge, skill and behavior a graduate is expected to attain upon completion of a program and after 4 – 5 years of graduation. In the OBE model, the required knowledge and skill sets for a particular degree is predetermined and the students are evaluated for all the required parameters (Outcomes) during the course of the program. The principles of OBE are Clarity of focus, Design down, Deliver up, High Expectations and Expanded Opportunities.

The OBE model measures the progress of the graduate in three parameters, which are

- Program Educational Objectives (PEO) - describe the career and professional accomplishments that the program
- Program Outcomes (PO) - describe what students are expected to know and be able to do by the time of graduation.
- Course Outcomes (CO) - evaluates each students performance for each course that the student undertakes in every semester

Dr. K. Jayanthi, Department of Economics

Curriculum for Outcome Based Education - Principles and Process

Outcome Based Education is a type of Educational System in which there are outcomes or goals to be achieved by the students after they complete each Course. This system institutes outcomes for each course depending on the learning ability of the students or in other words a 'Tailor made Education System'. The curriculum plays a significant role in the success of the Outcome Based Education because each course starts with a clearly focused picture of what the students will be able to accomplish after they complete the course. It revolves around four basic principles namely, Clarity of Focus – Clear focus on what the students need to learn and understand, Designing down – Clear definition of the outcomes to be achieved, High Expectations – Establish high standards/Challenges for the students and Expanded Opportunities – Increase Opportunities according to students' capability. These principles can be achieved in the curriculum through a process called Constructive Alignment which means to develop a learning environment through teaching methods and assessment tasks, to meet the desired Outcomes. It may seem that, the curriculum is already an outcome based one, but more rigorous schemes and meticulous teaching methods will be the stride for 'Tailor made Education System'.

Dr. S. Sivashankari, Department of Bioinformatics