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**ST. JOHN'S COLLEGE, PALAYAMKOTTAI – 627 002**  
**TAMILNADU – PH.0462 - 2572218**

**AQAR FOR THE ACADEMIC YEAR 2012 – 2013**  
**(Report of the IQAC of St. John's College, Palayamkottai – 627002)**

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St. John's College is one of the oldest institutions in South Tamilnadu has completed 135 years of educational service, especially to the economically downtrodden students. Having imbibes in itself the motto of the institution – *"From Darkness Lead Us unto Light"*. St. John's stands tall in disseminating knowledge and wisdom to the student community.

#### PART-A

**The plan of action chalked out by the IQAC:**

- The IQAC, in the beginning of the academic year met to discuss certain agenda for the quality enhancement in the teaching-learning process. The IQAC has decided to improve the academic standards of the teachers as well as the students.
- Equal importance is to be given for the student's extra-curricular and co-curricular activities.
- To make the students intellectually and spiritually sound.

#### PART-B

**1. Activities reflecting the goals and objectives of the Institution:**

- Teachers are motivated to upgrade the academic performance through various academic activities. Motivations have been specially oriented towards Ph.D. programmes and the publication of papers in leading Indian and International journals.

- Staff Members are encouraged to organize seminars and symposiums and workshops in their respective disciplines. Periodical counselling is essential to students. Men and women staff members are deputed to serve as counselors.
- To make the students efficient organizers, the Heads of the various Departments provided opportunities to conduct Association meetings by themselves.

## **2. New academic programmes initiated:**

- Career Oriented Programmes under UGC XI Plan were introduced as Add-on Courses offering Certificate, Diploma and Advanced Diploma Certificates
- Certificate Course in *Communicative English*
- Certificate Course in *Energy Physics*

## **3. Innovations in Curricular Design and Transaction:**

- The college follows the CBCS syllabus as prescribed by the Manonmaniam Sundaranar University. The students have the privilege to choose their own optional paper in CBCS system.
- Some of the staff members are in the Board of Studies and they offer their suggestions and modifications towards updating the syllabi.
- Industrial visits, Factory visits, Educational tours and Field trips are undertaken by the Science Departments to enrich their knowledge in the respective disciplines.

## **4. Inter-Disciplinary Programmes started:**

As part of the CBCS system, the following programmes are conducted.

- C.O.P. in Communicative English offered by the faculty of English has accommodated students from various other disciplines.

- C.O.P. in Energy Physics offered by the faculty of Physics has also attracted the students.

#### 5. Examination Reforms implemented:

- Unit wise tests are conducted periodically. A model test including all the units is conducted at the end of the semester in a centralized manner.
- Students are taken for field-trips by the staff members of various disciplines.
- For Physics and Chemistry students, it is compulsory to visit factories and industries. Botany and Zoology students visit Eco centers and sites to know more about their respective disciplines.
- For Arts students, the tours help them in understanding the unity in diversity of Indian Culture. Moreover they come to know more about the Cultural Heritage of India.
- Quality of the questions set for the internal tests are on par with the University examination questions.

#### 6. Candidates qualified: NET/SLET/GATE, etc.

- Mr. Jebaraj Kingsly Zechariah, Department of English has passed the NET.

#### 7. Initiative towards Faculty Development:

- Nine staff members have been pursuing Ph.D. research under the XI Faculty Development Programme offered by the UGC.
- Departmental Association Meetings are conducted periodically wherein experts from various fields are invited to give special lectures.

#### I. Participation in Seminars and Workshops:

- Dr. S. Suthakar Isaac, Associate Professor of Zoology, attended an International seminar on "The Importance of Bats as Bio indicators" (ISIB) – Granollers, Barcelona, Spain, from 05<sup>th</sup> to 07<sup>th</sup> December 2012.

- He also attended a State Level seminar on “Avenues in Biology” organized by Sri Parasakthi College for Women at Courtallam.
- Mr. David Augustine Karunaharan, Associate Professor of English, attended an International Seminar on “Rehabilitating the exploited children and Criminalized Youth in India” on 11 – 13, January 2013 at Kanyakumari.
- He also attended a seminar on “The Bricolage of Call Centre agents in Bharati Mukarjee’s Miss New India” on 05.04.2013 organized by Sarah Tucker College, Tirunelveli – 7.
- He also attended a national level seminar on “A postman reading of Kiran Desai’s - The Inheritance of Loss” on 14<sup>th</sup> December 2012 at VHNSN college, Viruthunagar .
- Mrs. Prabha P. Paul attended an International workshop on “English language Teaching” at Fatima College on 12.02.2012.
- Dr. K. Kirubaharan, Associate Professor of English, attended an International Seminar on “Health Economics” on 7<sup>th</sup> and 8<sup>th</sup>, February 2013 organized by Popes College, Sawyerpuram, Thoothukudi District.
- Mr. G. Andrews, Assistant Professor of History attended a National Seminar on “Non-violence and Peace Education in India” organized by Shridar University, Pilani, Rajasthan.
- Mr. P Rajesh Anantha Selvan, Assistant Professor of Chemistry attended a seminar on “Characterization of PMA doped Polyamine” on 18<sup>th</sup> – 21<sup>st</sup> February 2013 organized by Periyar University.
- Mrs. R. Nithya Agnes, Assistant Professor of Physics attended a seminar on “Materials and Nano-materials” on 7<sup>th</sup> and 8<sup>th</sup> March 2013 organized by St. Xavier’s College, Palayamkottai.
- She also attended a National Conference on “Advanced Materials” on 15<sup>th</sup> and 16<sup>th</sup> February 2013 organized by St. Mary’s College, Thoothukudi.

- Also a National Seminar on “Recent Trends in Physics” on 18<sup>th</sup> March 2013 organized by Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli – 7 and
- She also attended a seminar on “Role of Nuclear Power for Sustainable Development of India” on 18<sup>th</sup> and 19<sup>th</sup> October 2012 organized by Pope’s College, Sawyerpuram and again,
- She also attended a seminar on “Recent Trends in Material Science” on 17<sup>th</sup> December 2012 organized by Sadakathullah Appa College, Palayamkottai.
- Dr. A. Selvin Samuel, Associate Professor of Botany attended a National conference on “Bio diversity conservation and utilization” on 11<sup>th</sup> October 2012 at PTMTM College, Kamuthi.
- Mrs. Kanimozhi Celina, Assistant Professor of Botany attended a seminar on “Sustainable Resource Management” at St. Mary’s College, Thoothukudi on 04.10.2012.
- Mr. A. Pauldurai Samraj, Assistant Professor of Botany attended a national conference on “Ecology and Conservation”.
- Mrs. Prabha Paul, Assistant Professor of English attended a seminar on “The Protagonist’s Journey towards Self in Manohar Malgonkar’s Distant Drum”, at VHNSN College, Virudhunagar on 14.12.2012.
- She also attended a National level Seminar on “Indian Literature on English”
- She also attended an International workshop on “English Language Technique”, Fatima College, Madurai on 12.02.2013.
- Dr. V. Duraisingh, Assistant Professor of Economics, participated a National Conference Manonmaniam Sundaranar University, Tirunelveli on 14<sup>th</sup> and 15<sup>th</sup>, March 2013.

- Dr. Angel Anila, Assistant Professor of Economics, attended a seminar on “FDI in Multi brand, Retail Sector in India” at Aditanar College of Arts and Science, Tiruchendur on 8<sup>th</sup> February 2013.
- She also attended a seminar on “Health Economics – perspective – Awareness & Challenges”
- Mr. J. Amalrajan Gnanadoss, Assistant Professor of Economics attended an International level seminar on “Health Economics – Prospective Awareness and Development in IMS” – Tamilnadu’ organized by Pope’s College, Sawyerpuram on 7<sup>th</sup> and 8<sup>th</sup> February 2013.
- Dr. D. Arul Asir Abraham, Assistant Professor of Physics attended a National Conference on “Advanced Materials” organized St. Mary’s College, Thoothukudi.
- He also attended a State level conference on “Advanced Technical Physics”, organized by AKGS College, Srivaikundam.
- Mrs. A. Akila Maria Thangam, Assistant Professor of History attended a seminar organized by “Tamilnadu History Congress” at St. Mary’s College, Thoothukudi.
- Ms. G. Suguna, Assistant Professor of Commerce attended a seminar on “Group Discussion and Interview Techniques” organized by Wavoo Wajeetha Women’s College, Kayalpattinam
- Mrs. D. Priscilla Koilpillai, Assistant Professor of Physics attended a seminar on “Recent Trends in Material Science” at Sadakkathullah College, Palayamkottai on 17.12.2012
- She also attended a seminar on “Materials and Nano Materials” at St. Xavier’s College, Palayamkottai on 7<sup>th</sup> and 8<sup>th</sup> March 2013.
- Mrs. P.S Shajeela, Assistant Professor of Botany attended a seminar on “Sustainable Resource Management” at St. Mary’s College, Thoothukudi on 04.10.2012

- She also attended a two day seminar on “Bioinformatics” organized by St. John’s College, Palayamkottai on 13<sup>th</sup> and 14<sup>th</sup> December 2012.
- Mr. S. Paul David Selson, Assistant Professor of Botany attended a workshop on “Bioinformatics” organized by St. John’s College, Palayamkottai on 13<sup>th</sup> and 14<sup>th</sup> December 2012.
- He also attended a two day seminar on “Bio-diversity and You” organized by Pope’s College, Sawyerpuram on 14<sup>th</sup> and 15<sup>th</sup> February 2013.
- Dr. Ezhilmathi Sophia, Assistant Professor of Zoology attended a two days seminar on “Bio-diversity and You” organized by Pope’s College, Sawyerpuram on 14<sup>th</sup> and 15<sup>th</sup> February 2013.

## II. Orientation and Refresher Courses:

- Mrs. P. Kanimozhi Celina, Assistant Professor in Botany a Refresher Course in Botany from 05.07.2012 to 26.07.2012 at UGC Academic Staff College, University of Kerala, Thiruvananthapuram.
- Mrs. W. Rajammal Ranjitha Mary, Assistant Professor in Mathematics a Refresher Course in Mathematics from 16.07.2012 to 06.08.2012 at UGC Academic Staff College, University of Kerala, Thiruvananthapuram.
- Mr. A. Pauldurai Samraj Assistant Professor of Botany attended a Refresher course in Madurai Kamaraj University from 01.02.2013 – 28.02.2013.
- Dr. D.V. Sheeba Rajakumari, Assistant Professor of Zoology attended a Refresher Course in Zoology from 08.05.2013 to 28.05.2013 at UGC Academic Staff College, Madurai Kamaraj University, Madurai.
- Dr. W. Kerenhap Evangelin, Assistant Professor of Zoology attended an Orientation programme from 30.05.2013 to 26.06.2013 at UGC Academic Staff College, Madurai Kamaraj University, Madurai.



### III. Articles, Paper Presentation and Book Publications:

- Prof. D Nalina Palin, Assistant Professor of English published a paper on Contesting “Father Margaret Laurence’s ‘The Diviners’” in RAC Journal of Research (Journal of Multi-Disciplinary Research) Vol. II No.5 August 2012.
- Dr Prabha P. Paul, Assistant Professor of English presented five papers:
  1. “The quest for Self in Shashi Deshpande’s ,The Dark Holds No Terrors” published in the ‘Journal of Literatures in English’ January – December 2012.
  2. ‘The Protagonist’s Journey towards “Self in Manohar, Malgonkar’s Distant Drum” published in the journal Indian Literature in English, 14 Dec. 2012
  3. “Image of city life in Ezekiel’s Poetry”, ‘College Sadhana’ – Journal for Bloomers of Research, February 2013.
  4. “The Protagonist’s inner struggle in Anita Desai’s In Custody”, “Literary Vibes” - A refereed national journal in English studies’ Vol. II, Issue I, Jan.2013.
  5. “The Protagonist’s Journey towards self in Manohar Malgonkar’s Distant drum”, VHNSN College, Virudunagar.
- Dr. K. Kirubaharan, Associate Professor of Economics presented a paper on “Medical Services of the CSI Tirunelveli Diocese with special reference to Bell Indrani Chelladurai Hospital”, Tirunelveli (PG Departement of Research centre in Economics), Pope’s College, Sawyerpuram.
- Dr. V. Duraisingh, Assistant Professor of Economics Published 2 papers in International Journal of Economics Education and Management (IIEEM), January 2013.

1. on "Impact of Fanners Club in Thoothukudi District"
  2. A Study on "Economics Feasibility of Illmonate minerals in Tamilnadu"
- Dr. V. Duraisingh, Assistant Professor of Economics presented 5 papers:
1. "Valuing Health Damages from Water Pollution in Urban Area of Tirunelveli City" in an International Seminar in Pope's College, Sawyerpuram on 7<sup>th</sup> and 8<sup>th</sup> February 2013.
  2. A Study of "Household Health Expenditure in Shengottah Taluk", Tirunelveli District in an International Seminar in Pope's College, Sawyerpuram on 7<sup>th</sup> and 8<sup>th</sup> February 2013.
  3. An Economical Study on "Rural Health Service" delivered by Pudukkottai PHC in Thoothukudi District'.
  4. A study on "Marketting of Fish Products in Uvari Coastal Area" at National conference on MS University on 14<sup>th</sup> and 15<sup>th</sup> March 2013.
  5. A study on "The Impact of the ..... the Marine Fishing, Thoothukudi" in national conference, MSU, Tirunelveli on 14<sup>th</sup> and 15<sup>th</sup> March 2013.
- Dr. Angel Anila, Assistant Professor of Economics presented a paper on "Health Issues of Women Entrepreneurs in Tirunelveli" in Pope's College, Sawyerpuram on 7<sup>th</sup> and 8<sup>th</sup> February 2013.
- Dr. Robert Jeyapaul, Assistant Professor of Economics presented a paper on "The Medical Services of IMS in Malkangiri – Orissa Field" in Pope's College, Sawyerpuram on 8<sup>th</sup> February 2013.
- Dr. R. Kingsley Earnest, Associate Professor of Commerce published a paper on "Microfinance – A Key to Sustain Rural Development" by CBA Publishers, Paradigm Shift in innovative Business Management ISBN – 978-93-8040-14-0 Page No. 454, November 2012

- Ms. G. Suguna, Assistant Professor of Commerce published a paper on “Innovative HR Practices” in the National level seminar ‘Brand India Achievements and Challenges organized by Nirmala College for Women, Coimbatore, 4<sup>th</sup> October 2012.
- Dr G Jeyakumar, Associate Professor of Mathematics published 3 papers:
  1. “A statistical decision making approach for disease diagnosis” in International Journal of Data mining Techniques and Applications. 2012
  2. “Learning the Modelling of Endocytic Pathway of Transferrin - Bound Iron to cells using P systems”, International Journal of System Biology Vol.3 Issue 1, 2012
  3. “Training Fuzzy Neural Petri Nets through Bank propagation Algorithm using opp”. International Journal of Advanced computing. Vol. 35 No.12 2012.
- Dr. A. Arul Gnanam, Assistant Professor of Physics published a paper on “Multilayered bubbling route to SIVA in a quasi periodically forced electronic circuit with a simple nonlinear element in International Journal of Bijunction and Chaos”, November 2013.
- Dr A Selvin Samuel , Associate Professor of Botany co authored in the article “Mushrooms in the food culture of the Kanni Tribe of kanyakumari district” with Mr.Davidson Sargunam S., Ms. G Johnsy, and Mr. V Kaviyaran 2012 in Indian Journal of Traditional Knowledge vol.11 (1), pp. 150-153.
- He also presented a paper on “Plant diversity of Tenkalam and Kurumalai Seruls forest in South Tamilnadu” at Periyar University on 23 January 2013.

- Dr. T. J. S. Rajakumar, Associate Professor of Botany published a research paper on “Laranches Oblogifolicies(Rabiaceae) – A critically endangered species recollected after a lapse of 140 years in Tirunelveli District, Tamilnadu” in International Journal of Forestry, August 2012.
- Dr S Abraham Muthukumar, Associate Professor of Botany published a research paper on “Aborescent Angiosperms of Mundathurai Range in the Kalakad - Mundanthurai Tiger Reserve (KMTR) of the Southern Western Ghats, India” with Mr. Paulraj Selva Singh Richard in the Journal of Species lists and distribution 8 (5): 951-962. (2012)
- Dr P. Annie Sulochana Selvakumari, Associate Professor of Botany presented a research paper on “Bioassay - Guided identification of chemical components in Typhonium Roxburghii Schott” with John De Britto A., in the Malaysia Journal of Science 31 (1) : 8-15 (2012)
- Dr. R. Selvakumari Published a paper entitled “Lasianthus Oblongifolus Beddome (Rubiaceae): A critically endangered species recollected after a lapse of 140 years in Tirunelveli District, Tamilnadu” in Indian Journal of Forestry on September 2012.
- Ms. Shajeela P.S. published an article “Potential antidiabetic, hypolipidaemic and antioxidant effects of Nymphaea pubescens extract in alloxin induced diabetic rats” with Ms. Kalpanadevi V., and Mr. Mohan V.R. (2012) in Journal of Applied Pharma Ceutical Science. 02 (02), 83-88.
- Ms. Shajeela P.S. published an article. “Fatty acid composition of Wild Yam (Dioscorea Spp.) (Composicion de los Acidos Grasos Del Name Silvestre (C Dioscorea Spp.)” with Ms. Ponnnumani Sundardhas, Mr. Pious Soris Tresina and Mr. Veerababu Ramasamy Mohan in (2013 Tropical & Sub. tropical Agro ecosys 16: 35-38.

- Dr H M Mahilini & Dr Albert Rajendran, Associate Professor of Zoology presented research papers "On the role of gartropod Slug *L. alte* (Ferrusal 1823) in the enrichment of Soil Nutrients" in the International Journal of Zoology and Research, 2<sup>nd</sup> June 2012 Vol.2 Issue 2, PP 1-9
- Dr. H. M. Mahilini & Dr. Albert Rajendran Associate Professors of Zoology presented research paper on "Effect of *Clostridium Perfligens* infection on haemocyte count of *Trahra Viltata*" in the International Journal J Ecotoxical Environ monit 23(3) 159-165 , 2013
- Dr B Jawahar Samuel, Associate Professor of Zoology presented a research paper on "Persistent Feravalent or exposure Impaired on Pubertal development and Ovarian histo architextue in wistar vat offspring" in the journal Environmental Toxicology July 2012
- Dr B Jawahar Samuel, Associate Professor of Zoology presented a research paper on "Amelioratiye offer of vitamin C on hexavalent Cr. induced delay in Sexual maturation and oxidative stress in developing rat ovary and uterus" in the journal Toxicology and Industrial Health. August 2012.
- Dr Mohanraj Ebenezer, Associate Professor of Zoology presented a research paper on "Fresh Water olegel mix enriches the quality of vermicompost" in the journal Indian Hydobiology 14(2) 169-174.
- Dr Mohanraj Ebenezer, Associate Professor of Zoology presented a research paper on "A comparative Study of Physio Chemical and Phycological characters of Muthalamozhi pond and Kadampa Pond of Tiruchendur Taluk of Tuticorin Dt" in the journal Indian Hydrobiology 14 (2) 126-130.

- Dr Mohanraj Ebenezer, Associate Professor of Zoology presented a research paper on “Growth and Yield of Capsicum annum in enriched Vermicompost extracts of Kappa phyins alvavezii and Azolla Pinneta” in Journal seed weed Res.Utili 33 (1&2) 165 – 170.
- Dr S Suthakar Isaac, Associate Professor of Zoology published an article on “Daytime feeding in the diurnal roost by the Indian flying fox. pteropus giganteus “ in the National Journal Small mammal mail vol.4(2) PP 16 December 2012.
- Dr S Suthakar Isaac, Associate Professor of Zoology published a article on “ A Comparative study in micro biology diversity ..... at courtallam” in the journal J Ecotoxical Environ. Monit. 22 (5) 473-479, 2012.
- Dr S Suthakar Isaac, Associate Professor of Zoology published a article on “ Distribution of mesophilous fungi..... at Courtallam” in the journal J Ecotoxical Environ. Monit. 22(5) 451-454, 2012.
- Dr S Suthakar Isaac, Associate Professor of Zoology published a article on “Foliage roosting by the Painted bat Kerivovla Picta in Thrissur, Kerala” in Small mammal mail vol.5(2) P P 14 , January 2014.
- Dr Ezhilmathi Sophia, Assistant Professor of Zoology presented a research paper on “The quality enhancement of macro and micro nutrients of organic wastes ( Drop melenoxylon and Eichornia crorripus) by vermicomposting”
- Dr. Ezhilmathi Sophia, Assistant Professor of Zoology presented a research paper on “ Preduction of Foraging strategy in fruit bats through wing morphology” in International Journal on Environmental Protection and Rural development. Vol.2 PP 7-11 Jan-March 2013

- Dr. Ezhilmathi Sophia, Assistant Professor of Zoology presented a research paper on “Chemical Signalling in mother –pup recognition of Hipporideros after Templeton” 1848. (Durky leafnosed bat), 2013.
- Mr. P. Rajesh Anantha Selvan presented a paper in “Characterization of PMA doped Poly aniline” at Periyar University, Salem on 18-21 February 2013.

#### **8. Total number of seminars and workshops conducted:**

Academic seminars were conducted by various Departments.

- Dr. Edward David Sundararaj, Associate Professor of English organized a workshop on “Modern Critical Theories” on 01.11.2012 in college campus.
- He also conducted a conference on ‘Relevance of Critical Theory in the Present Day Literary Schedule’ in March 2013
- Dr. A. Selvin Samuel, Associate Professor of Botany conducted a workshop on ‘Bioinformatics’, an inter collegiate programme sponsored by the State Council for Science and Teaching on 13<sup>th</sup> and 14<sup>th</sup> December 2012.
- Inservice Training Programme for secondary grade science Teachers of Tirunelveli District at St. John’s College from 26<sup>th</sup> Nov – 30<sup>th</sup> Nov 2012.

#### **9. Research projects: Newly implemented and completed:**

- Rs. 7,87,000/- sanctioned to Dr. S. Suthakar Isaac, Associate Professor of Zoology Department, for a major Research Projects under the title “Morphometrics and genetic diversity of the flying box Pteropus giganteus”. Rs. 5,13,800/- was released as first installment.