

# Report on seminar Activity

## Department of Tamil



**PG AND RESEARCH DEPARTMENT OF TAMIL  
KANDASWAMI KANDAR'S COLLEGE  
ONE DAY - INTERNATIONAL SEMINAR  
TAMIL ILAKKAYA VAHAIMAIHALUM AND VAZHVIYAL  
SINDHANAIHALUM**

One day International Seminar on “TAMIL ELAKKIYA VAHAIMAIHALUM AND VAZHVIYAL SINDHANAIHALUM” has been conducted by PG and Research Department of Tamil, Kandaswami Kandar’s College in association with Sembulam Tamil Araichi kalandu Idhazh semmoodhai pathippaham.

Dr. Rajendran, [Indian Research Department, Malaya University] and Dr.ThirupurKrishnan [Editor, Amudha Surabi Monthly Magazine] have delivered a presidential address in inaugural function. 465 Research scholars have presented their research papers in the presence of 15 chair persons including.

Dr. A.Arivanambi(Puducherry)

Dr. T.Neelakanda pillai(Nagarkovil)

Dr. R.Vivekanandha Gopal(Andhra)

Dr. Bro.Arul Seeli(Coimbatore)

Mr.Silamboli S.Sellappan, Former Director of Tamil Development Department has delivered a speech in the valedictory session.

**PG AND RESEARCH DEPARTMENT OF TAMIL  
KANDASWAMI KANDAR'S COLLEGE  
10 DAYS WORKSHOP**

**SANGAM MARUVIYA KALA ELAKKIYARGALUKKU SANGA YAPPIYALIN  
PANGALIPPU**

A 10 days workshop from 26-12-2013 to 04-01-2014 Semmozhi Tamil Research Central organization and Kandaswami Kandar's college on the top "Sangam Maruvriya kala Elakkiyangalukku sanga yappiyalin pangalippu".

Prof. M.Mannat Mannan(Language &Linguistics, Malaya University Malaysia) has delivered a special speech in inaugural session.

37 Resource persons such as

Dr.K.V.Balasubramaniam

Dr.Neelakandapallai

Dr.S.Thiru gnanasambandam

Major. Dr. Thangakandasamy

Dr.M.Samuthira pandiyan,

Have given a speech on yappiyal, its types and simplicity to the research scholars. Dr.M.Muthuvel (Register, Semmozhi Tamil Research central organization) and Dr.K.P.Aravanan (Former Vice Chancellor, Manomaniam sundharanar University) have delivered the valedictory address.



# Department of Economics

## SEMINAR ACTIVITY REPORT

### UGC SPONSORED NATIONAL SEMINAR ON 'EMERGING TRENDS IN INDIAN MONEY MARKET'

Dated 19<sup>th</sup> and 20<sup>th</sup> September 2014

#### Report of the Seminar

The Department of Economics, KandaswamiKandar's College has conducted two days UGC sponsored National Level Seminar on Emerging Trends in Indian Money Market in globaration with the Association of Economists of Tamil Nadu on the first day, the inaugural session was started at 10.00 a.m. at the outset, Dr. K. Saravanan, Associate Prof. of Economics welcomed the gathering. Dr. P. Loganathan, Organising Secretary of the Seminar gave introduction about the seminar. Dr. Major R. Arul, Principal delivered presidential address. Mr. Karikalan, Joint Director of Cooperative Societies, State Land Development Bank, Chennai participated and delivered inaugural address. This is followed a Key Note Address which was given by Dr. G. Ravi, Prof. of Economics, Annamalai University. Our College President cum Secretary Dr. R. Somasundaram released seminar proceedings and our college Vice-President Dr. K. Nedunchezhian received the same.

The Afternoon session witnessed a tremendous knowledge flow from various colleges Dr. P. Arunachalam of Kochin University threw light on different facets of money market. The challenges of money market were well documented by Dr. S. R. Kesava of Bangalore University, Bangalore.

Dr. S. KayarKanni, of Sri Parasakthi College of Women, Kuttralam delivered spell bound lecture quoting songs and practical examples. The students got benefited a lot. The first day of the programme becomes a successful one.

The second day programme was started 20<sup>th</sup> September 2014 as per schedule Dr. R. Balasubramanian, of D.G. Vaishnav College, Chennai acted as the Chairperson of the Panel Discussion. He touched upon the challenges of money market and its link with other sectors of the economy. The next eminent person Dr. R. Palanivelu, AVVM Sri PoondiPushpam College, Poondi pointed out their practical sides of money market helping in economy, agricultural sector and the role of nationalized bank Dr. N. Murugeswari, Director incharge of Bharathidasan University, Trichy delivered a talk on the Women and the Money Market the complexities of bank.

Prof. M. Bhuvanewari explained the money market the example and the recent trends. She explored the relationship of money market with other sector for the development of Indian Economy. After the Panel Discussion, distinguished personalities from different colleges expounded the ins and outs of money markets with their own angles Dr. T. Sridhar of National College, Trichy. Dr. R. Venkatachalam, Associate Prof. of Economics, Dr. A. Sakthivel, Asst. Prof. of Economics, Arignar Anna Arts College, Namakkal, Dr. K. Jayaraman, Assistant Prof. of Economics, Government of Arts College, Thiruvannamalai in the forenoon session and delivered address on various components f money market s in India.

Dr. D. Kumar, Associate Professor of Economics, Jamal Mohamed College, Trichy gave valedictory address in the seminar.



Faculty members, research scholars and students of various institutions participated and presented their articles.



### **ICSSR SPONSORED RESEARCH METHODOLOGY PROGRAMME FOR THE PH.D. SCHOLARS IN SOCIAL SCIENCE (UNDER SPECIAL COMPONENT PLAN FOR SC/ST)**

**11<sup>TH</sup> August to 20<sup>th</sup> August 2014 (10 days)**

The PG and research department of Economics, KandaswamiKandar's College, Velur, Namakkal District, Tamil Nadu organized 10 days ICSSR sponsored workshop on research methodology programme for Ph.D, research scholars in social science from 11<sup>th</sup> August to 20<sup>th</sup> August 2014. This programme is special programme for research scholar who belongs to Sc and STs and this programme is fully funded by the ICSSR, New Delhi. The formal inaugural session was convened in the forenoon of 11<sup>th</sup> August 2014. Dr. C. Swaminathan, Vice-chancellor of Periyar University, Salem and Dr. S. Michal John Peter, Deputy Vice-Chancellor, DMI-st, Eugene University, Zambia participated and felicitated the function. This is followed by a lecture on 'Ethics in Academic Writing and Publication Process' was given by Dr. S. Michael John Peter in the forenoon session. In the afternoon session Dr. D. Murugan delivered his lecture on 'Nature and Scientific Methods'

On 12<sup>th</sup> August 2014 a lecture on "Types of Research in Social Science" was given by Dr. K. Ramu in the forenoon session and in the afternoon session Dr. A. Saravanadurai gave lecture on "Poverty Reduction Models". Dr. N. Prasanna and Dr. Sugirtharani participated as resource person on 30<sup>th</sup> August

2014 and they delivered their lectures on “preparation of Research Proposals” and “Measurement of Correlation” in the forenoon session and afternoon session respectively. A lecture on “Types of Sampling, Universe and Nature” was given by Dr. A. Annadurai in the forenoon session on 14<sup>th</sup> August 2014. In the afternoon session Prof. S. Ananthi delivered lecture on “Gender Studies”. Dr. A. Duraisamy took forenoon and afternoon sessions on 15<sup>th</sup> August 2014 and he spoke on “Computer Application in Social Science Researches Using SPSS”. Dr. S. Lakshmanan, as a resource person spoke on “E-Views and Arima Software” on 16<sup>th</sup> August 2014 first three sessions. Dr. P. Loganathan, Course Director acted as resource person in the last session of the same day and delivered his lecture on “Construction of Index Number” on 17<sup>th</sup> August 2014, a lecture on, “Tool of Data Collection” was given by Dr. R. Asokan in the forenoon session and in the afternoon session all the participants were brought to field visit by Dr. P. Loganathan, Director of the programme to nearby areas. The participants were grouped into 3 and they were asked to interact with the people of Mahatma Gandhi National Rural Employment Guarantee Programme, Self-Help Groups and Marginal Farmers respectively. They collected necessary data from them with the help of Interview-Schedule. In the forenoon session of 18<sup>th</sup> August 2014 Dr. L. Manivannan, Spoke on “Analysis Univariate Tools” and in the afternoon session Dr. A. Sakthivel delivered lecture on “Reference in Report Writing and Style Sheet”. Dr. D. Kumar acted as resource person on 19<sup>th</sup> August 2014 in the forenoon session and gave lecture on “Case Study Methods” in the afternoon Dr. Janagam delivered her lecturer on “Descriptive Statistics” on the last day of the programme 20<sup>th</sup> August 2014, Dr. R. Madhavan gave his lecture on “Quantitative, Qualitative Research Design” in the forenoon session. The valedictory session of the programme was held in the afternoon session and Dr. E. Selvarajan participated in this session and delivered his lecture on “Evaluation Methods”

The participants were asked to give feedback at the end of every session. Really all the participants actively participated in all the sessions and benefited a lot. The Director of the Programme and participants are highly indebted to ICSSR, New Delhi and never forget its effort to lift the socially, economically disadvantaged scholars especially those who belongs to rural areas.



## **REPORT OF THE PROGRAMME ON 07.01.2015**

Now I am going to present the report which contains the activities have been done during 6<sup>th</sup> and 7<sup>th</sup> January 2015 on the eve of RGNIYD sponsored Youth Led Development outreach Programme (YDP) in higher educational institutions. Which is being conducted by the department of Economics of KandaswamiKandar's College.

This two days programme begins with the inaugural function

**Dr. A.Shanmugasundaram**, Assistant Professor of Economics, KandaswamiKandar's College, welcomed the gathering. The inaugural function was held in the presence of our college president **Dr. R.Somasundaram**, and Vice-President **Dr. K.Nedunchezian**. They felicitated the occasion. Our college Principal **Major. Dr. R.Arul**, Syndicate Member, Periyar University, Salem – 11 participated and delivered his presidential address and myself and this programme Co-ordinator **Dr. P.Loganathan**, narrated about the programme.

**Mr. M.Rajagopalan**, Managing Director, KovaiMaruthi papers & Boards, pvt., Ltd., Kabilarmalai gave his inaugural address. The keynote address was given by

**Dr. S.Nandakumar**, Associate Professor in Journalism and Co-ordinator for NSS, RRC, Periyar University. At the end of the inaugural function, our department faculty member

**Dr. K.Saravanan**, Associate Professor of Economics, proposed vote of thanks.

After having the inaugural function, the technical session started. The first session started at 10.30 a.m. and ended by 12.00 p.m. **Dr. R.Asokan**, Associate Professor of Economics, Annamalai University, DDE, Chidambaram, gave his address on presentation skills, mannerism, attitude and body language.

Following this, **Dr. D.Kumar**, Associate Professor of Economics, Jamal Mohamed College, Trichy participated and delivered his special lecturer on “Conflict Management and Confidence building”. After the lunch break, the next technical session started at 2.00 p.m.

**Dr. P.Loganathan**, myself, the co-ordinator of the programme delivered a detailed notes on “RGNIYD highlights, overview and Youth policy 2014”. The last technical session on 6<sup>th</sup> January 2015 was held at 3.30 p.m. in which **Dr. A.Saravanadurai**, Assistant Professor of Economics. Periyar University, Salem gave his address on “Decision making and creativity”.

The next day, today 7<sup>th</sup> January 2015 session started in the morning at 10.00 a.m. to 11.30 a.m. **Dr. R.Subramaniyabharathi**, Assistant Professor, Management studies, Periyar University, Participated and spoke on “Motivation, Good Setting, achievement, health and happiness”. The second technical session in the morning was attended by **Dr. K.Jayaraman**, faculty of Economics, Govt. Arts College, Thiruvannamalai and delivered his special address on “Self motivational techniques & Public speaking skills”. The afternoon session of the same day began at 2.00 p.m. to 3.30 p.m. A special address on “positive attitude, stress, fear and crises management” was given by Dr. N.Mani, Associate Professor of Economics, Erode Arts College, Erode. **Dr. A.Sakthivel**, faculty of Economics, Arignar Anna Govt. Arts College, Namakkal, acted as resource person in the last technical session and he delivered his address on “Time management, team building, self esteem and self confidence”.

The Valedictory function of this programme is going on and as a part of it I presenting the report of two days activities.

**Dr. K.Saravanan**, Associate Professor of Economics, KandaswamiKandar's College, welcomed the gathering in the valedictory function. The valedictory function is being conducted in the presence of our President **Dr. R.Somasundaram**, Vice-President **Dr. K.Nedunchezian**, our college Principal **Major. Dr. R.Arul**, Syndicate Member, Periyar University, Salem-11 delivered his presidential address.

**Mr. K.V.Ganesan**, Managing Director, Andavar TVS Company, Namakkal has come here to give valedictory address. At the end of the programme, **Prof. S.Senthilraja**, Assistant Professor of Economics, will propose vote of thanks.

A total of 100 students belong t SC/ST category from various disciplines in our college participating in this programme and faculty members of our college also attended and extended their corporation and support.





## ICT Seminar

ICSSR Sponsored two day national seminar on ICT in Rural Areas: Building the knowledge society at Grassroot level. This two day seminar begun with inaugural session on 23<sup>rd</sup> June 2016 and ending with this valedictory session. At the inaugural session Dr. R.Somasundaram, our president and secretary, KandaswamiKandar's Educational trust, velur and Dr.K.Neduchezhian our vice president KandaswamiKandar's Educational trust, velur participated. Dr.K.Saravanan, Associate Professor of Economics, Kandaswamikandar's College welcomed the gathering. Myself Dr.P.Loganathan introduced the seminar theme and concept. Our principal Prof. N.Krishnakumar delivered his presidential address. Dr.Soundarapandiyan, Professor and Head, dept. of Rural Industries and Management, Gandhigram Deemed University, Dindigul participated as chief-guest and delivered the inaugural address. He underlined the importance of information and communication technologies that facilitate speedier improvement of Knowledge of the rural people on all areas which is very essential for country's ultimate development. Following this, Dr.M.Ramananjeyulu, Professor of Economics, Bangalore University participated as chief guest and delivered key note address. In his address he stressed that the information and communication technologies have to be taken to the rural areas to bring the rural people under the umbrella of the nation's all round development. After his speech, our president Dr.R.Somasundaram released the first copy of this seminar proceeding and the same was received by our Vice-President Dr.K.Nedunchezhian. In their felicitation address, they emphasized that seminar of this kinds should be conducted frequently because they bring the practical and actual facts of development occurring in the country. They also suggested that the discussions held at this seminar should be noticed to the government to take further actions in this regard. At the end of the inaugural session, Dr.S.Parvathi, Assistant Professor of Economics proposed vote of thanks.

After completing the inaugural session, the first plenary session was started at 11.30 a.m. This session was chaired by Dr.P.Arunachalam, Professor of Economics, Cochin University of Science and Technology, Kerala and Dr.I.Sundar Professor of Economics, DDE, Annamalai University Chidambaram and Dr.T.Marichamy faculty of Economics, Arignar Anna Govt. Arts College Namakkal acted as resource persons. This session lasted upto 1.00 p.m. In this session, the resource persons held a healthy argument over the role of information and communicative technologies in lifting the overall knowledge attained by the rural mass. They also discussed the pros and cons prevailed in the way effecting implementation of ICT in rural areas. The participants raised their doubts and resource persons cleared their doubts. After the lunch break, the technical session begun at 2.00 p.m. A total of 128 papers were selected for presentation and of them 71 papers were selected for presentation in the first day technical session. After presenting their papers they answered the doubts of the audience. This session lasted up to 4.45 p.m. Thus the first day of this seminar went off peacefully and informatively.

The second day of this seminar was started today, the 24<sup>th</sup> of June 2016 at 9.30 a.m. with panel discussion. Dr.N.Mani, Associate Professor and Head, Department of Economics, Erode Arts College, Erode acted as Chair person. Dr.S.Kayarkanni, Associate professor and Head, Department of Economics, Parasakthi College for women, Courtalam, Dr.R.Asokan Associate Professor, DDE, Annamalai University, Chidambaram and Dr.A.Saravanadurai, Faculty of Economics, Periyar University, Salem acted as panelist. In this discussion, all these resource persons discussed how the ICT play a crucial role in building the knowledge society in the rural area and they suggested ways for further improvement in this regard.

After a tea break, the invited talks started at 11.30 a.m.. There are three invites talks have been arranged. Dr.K.Jayaraman, Associate Professor of Economics, Periyar University, Salem, Dr.A.Sakthivel, faculty of Economics, Arignar Anna Govt. Arts College, Namakkal and Dr.V.Veluchamy, Associate professor of Economics, WakfBoard College, Madurai delivered their speeches. In their speeches, they spoke that the ICT is a weapon and liver to lift the people to participate in nation's economic development. The ICT help the rural people in their capacity building and at the same time there is no uniform development of knowledge among the rural areas in India in relation to ICT, they spoke. This should be handled carefully they suggested. Following this, the technical session started at 2.00 p.m. At this session

the paper presenters presented their papers and discussed their ideas and views with the chair persons and audience.

A total of 64 participants from other colleges and a total of 36 Participants from our college participated in this seminar. All the participants were given seminar kits, lunch and refreshments. They actively participate and gained many cleared their doubts in this topic. This seminar encouraged and motivated them to use the information and communicative technologies for building knowledge society in rural areas effectively.



**PALM GUR AND PALM PRODUCTS**  
**ENTREPERNEURSHIP AWARENESS PROGRAMME**

**DATED ON 12-12-2014**

In the inagaural session, programme co-ordinator Dr.P.Loganathan, welcomed gathering. The Principal of our college Dr.Major.R.Arul gave the presidential address.KandaswamiKandar's Educational Trust President cum Secretary Dr.R.Somasundaram felicitated the function. Course Trainer Dr.Muthusamy gave Lecture on Palm Gur and Palm Products in a detailed manner in the forenoon session. Afternoon session Trainers from KVIC demonstrated production details of Palm Gur and Palm Products followed by students interaction Our III B.A. Students (110-Students) Participated and gained skill in the production Palm Gur and Palm Products. This skill has given our students entreperneurship.



**KANDASWAMI KANDAR'S COLLEGE, VELUR-NAMAKKAL**  
**PG AND RESEARCH DEPARTMENT OF ECONOMICS**

**UGC SPONSORED NATIONAL SEMINAR ON**  
**IMPACTS OF URBANISATION IN INDIA**

**REPORT OF THE SEMINAR**

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Kandaswami Kandar's College and Association of Economists of Tamil Nadu have jointly organised UGC sponsored National Seminar to achieve the following objectives:

- To analyse the Environmental impact of Urbanisation In India
- To discuss the Economic impact of Urbanisation in India
- To discuss the Social Perspective of Urbanisation in India
- To study the rural urban migration in India
- To understand the causes and consequences of urbanisation.

The national seminar on Impacts of Urbanisation is being organised on 6<sup>th</sup> and 7<sup>th</sup> March, 2015 by the Department of Economics of Kandaswami Kandar's College, Velur-Namakkal, it is expected to strengthen this institution to march ahead towards academic excellence.

In the inaugural session on 6<sup>th</sup> March 2015, Dr. P. Loganathan, Head of the Department welcomed the gatherings. Dr. A. Shanmugasundaram, Local Organising Secretary and convener of the seminar gave a brief introduction of the seminar and also introduced all the guests who attended the seminar. Dr. R. Somasundaram, President, Dr. K. Nedunchezian, Vice-President, Kandaswami Kandar's Trust and Fr. A.G. Leonard, Chairman, Association of Economists of Tamil Nadu were felicitate and also blessed the functions. Dr. Major R. Arul, Principal delivered the Presidential Address.

Dr. C. Thangamuthu, Former Vice-Chancellor, Bharathidasan University inaugurated the seminar and also delivered though provoking inaugural address. Dr. A. Ranga Reddy, Sri Venkateswara University, Tirupathi presented the key note address. Dr. P. Jayagandhi, Poompuhar College, Melaiyur presented special address. Prof. N. Samban, Retired Prof. released the seminar proceedings and the same was received by Dr. A. Palaniappan, Rtd. HOD of Economics, Erode Arts and Science College, Erode. Dr. R. Balasubramanian, AET President, Dr. Stanly Joseph Michalraj, AET Secretary, Dr. D. Kumar, AET Treasurer, Dr.. G. Irudhayaraj, Head Office Secretary, AET and Dr. R. Venkatachalam, Erode Arts and Science College had felicitated the function. Dr. K. Saravanan, Associate Prof. presented vote of thanks in the inaugural session.



At 11.00 a.m. Plenary Session was started under the chairmanship of Dr. R. Balasubramanian, AET President. Dr. P. Arunachalam, Cochin University, Dr. A. Saravanadurai, Periyar University, Dr. R. Asokan, Annamalai University had participated and shared their ideas in the Plenary Session.

After lunch, technical session was started 120 participants presented their research papers.

In the second day, 7<sup>th</sup> March 2015 at 9.30 Panel Discussion had started. Dr. S. Rajendran, Prof. & Head, Periyar University chaired the session. Dr. L. Ganesan, Bharathidasan University and Dr. A. Annadurai, Madras Christian College Chennai, had participated and discussed the topic in detail.

In the evening technical session more than 50 participants presented their research papers.

In the evening at 4.00 p.m. valedictory function began. Dr. P. Loganathan welcomed the gatherings. Dr. D. Kumar, Treasurer AET delivered valuable valedictory address. Mr. S. Senthilraja, Assistant Prof. of Economics delivered the vote of thanks.

Dr. A. Shanmugasundaram,  
Local Organising Secretary and Convener

## KANDASWAMI KANDAR'S COLLEGE, VELUR-NAMAKKAL

### 36<sup>th</sup> Annual Conference of Association of Economists of Tamil Nadu (AET)

28<sup>th</sup> – 29<sup>th</sup> November 2015

#### Report

The PG and Research Department of Economics of Kandaswami Kandar's College Velur, Namakkal has organized the Two – Day 36<sup>th</sup> Annual Conference of Association of Economists of Tamil Nadu on 28<sup>th</sup> and 29<sup>th</sup> November 2015. This Association consists of more than 600 life members and 400 associate members. Every year AET conducts its annual conference in various colleges in Tamil Nadu. This year Kandaswami Kandar's College had the opportunity to host the conference. A prestigious moment in the history of Kandaswami Kandar's College.

The Inaugural Function began at 9.30am on 28<sup>th</sup> Nov 2015. **Dr P Loganathan** HOD of Economics welcomed the gathering. The Organizing Secretary of the Conference **Dr A Shanmugasundaram** Associate Professor of Economics presented the themes of the Conference succinctly. The Kandaswami Kandar's educational Trusts President and Secretary **Dr. R. Somasundaram, Dr. K. Nedunchezian**, Vice-President and **Dr. Major R. Aurul**, Principal of the college graced the occasion.

The Presidential Address was delivered by **Dr R Balasubaramaniam**, D.G Vaishnava College, Chennai. The Inaugural Address was delivered by **Dr C Thangamuthu**, Former Vice – Chancellor of Bharathidasan University, Trichy. He gave an excellent account on the importance of Information in the 'Knowledge Economy'. India, to be competitive and to achieve a higher rate of economic growth, has to invest heavily on the promotion of technology and has to create intellectual capital. The Information Technology (IT) sector has been growing at a faster rate and this is going to revolutionize the economic transformation of Indian economy, he observed. A Special Address was delivered by **Dr M Manivannan**, Registrar, Periyar University, Salem. In his speech he dwelt upon the importance of educational institutions like Kandaswami Kandar's Trust which provides primary, secondary and higher education, especially in the rural areas. These institutions there by elevate the status of individuals as well as the region.

On this occasion awards were given away by the AET. The Senior Economist Award – 2015 was given to **Dr V Mohanasundaram**, Associate Professor and Head, Department of Economics, PSG College of Arts and Science, Coimbatore and the Junior Economist Award to **R Mariappan**.

Around 400 Research Scholars and Faculty Members from various Colleges and Universities from all over Tamil Nadu participated in the Conference. The Conference Souvenir was released and it contained the abstracts of 236 papers submitted to the Conference.

Four Technical Sessions were conducted in the Conference on the themes

1. Economic Reforms since 1991
2. Information Economics
3. Tamil Nadu Economy
4. Regional Economics (Karur & Namakkal Districts)

A critical evaluation of economic reforms helped to understand the growth and progress of Indian economy and to underline the importance of reduction of poverty and inequality in the country. As a subject "Information Economics" has grown in a big way and nearly 11 Economists got **Nobel Prize** in the field of

Game Theory. The AET called for empirical works on the application of game theory. An analysis of different dimensions of Tamil Nadu was undertaken by many authors and they presented their findings in the Conference. After quoting a few significant improvements in the State in the fields of health, infrastructure and industrialization, the authors called for an efficient allocation and proper utilization of financial and physical resources so as to cover the short – fall. The agricultural and industrial activities in Karur and Namakkal Districts, their growth and the challenges they are facing were discussed.

**Dr. A. Shanmugasundaram** of Kandaswami Kandar’s College has been elected as the new AET President for the year 2015-16 in the AET executive and General Body Meeting.

The Valedictory Address was delivered by the “Son of the Soil” and proud alumnus of KKC school **Dr S Neelakandan**, Former Director, Madras Institute of Development Studies (MIDS). As a voracious reader, prolific writer and a great teacher, he gave a resounding lecture. He called Teaching as a “Meta Trade” and as a “Positive – Sum – Game”. He urged the students, scholars and teachers to upgrade their skills and knowledge through the easy availability of Technological advancements in the Teaching – Learning Paradigm. One specific example is the Massive Online Open Course (MOOC) which is now catching up in India and already a few educational institutions in Tamil Nadu have taken up this exercise.

A Panel Discussion was held with seven subject experts. The **Fr. Dr Sebastian SJ** (Founder of AET) Memorial Lecture was given by **Dr S Nehru** of Gandhi Gram Rural Institute, Dindigul.

The President of Kandaswami Kandar’s College Trust **Dr R Somasundaram** MD, Vice – President **Dr K Nedunchezian**, MBBS and Principal of KKC Major, **Dr R Arul** and **Conference Secretary Dr. A. Shanmugasundaram** graced the Conference and provided all the facilities. The Chairman of AET **Rev. Dr. Fr A G Leonard SJ** and Secretary **Dr Stanly Joseph** Coordinated the Conference.

Dr. A. Shanmugasundaram,  
Local Organising Secretary and Convener

# One day Science Workshop

## Report on Outreach Programme:

A One day Science Workshop was organized jointly by “INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, THIRUVANANTHAPURAM, KERALA” and “KANDASWAMI KANDAR’S COLLEGE”, VELUR, NAMAKKAL, Tamil Nadu on 24<sup>th</sup> August 2016.

The program aimed at providing platform to enable the college students and school students to interact with the faculty members of IISER-TVM with a view to enhance their scientific knowledge. **Prof. V. Ramakrishnan, Director, IISER-TVM**, inaugurated the function. **Dr.R.Ramesh Rasappan**, Assistant Professor, School of Chemistry, Thiruvananthapuram, **Alumni of this college** delivered key note address. Faculty members from IISER Thiruvananthapuram, **Dr Ravi Maruthachalam, Dr Arun A, Dr Vinayak Kamble and Dr Ramesh Rasappan** delivered lectures and interacted with a group of University/college/School students. About 493 participants attended the workshop including school students, B.Sc, M.Sc students, research scholars & faculty members from our College and Teachers from Govt. and Matriculation Schools. **Dr N.Latha, Assistant Professor of Chemistry, Kandaswamy Kandar’s College** and **Nisha N Kannan**, Outreach program co-ordinator, IISER-TVM, **Dr.Ramesh Rasappan** IISER-TVM were the co-ordinators of the program.

The workshop enriched the knowledge of the participants on various areas of scientific research, opportunities available in India for scientific research, opportunities available for the students to pursue higher education in reputed institutes, Government support programmes and policies to do research, funding agencies to motivate the research etc.





**DST SPONSORED  
NATIONAL SEMINAR ON  
ADVANCED NANOMATERIALS FOR FUNCTIONAL APPLICATIONS  
(SANFA-2015)  
DEPARTMENT OF CHEMISTRY  
KANDASWAMI KANDAR'S COLLEGE  
VELUR – NAMAKKAL-638182, TAMIL NADU**

A two day National Seminar on “*Advanced Nanomaterials for Functional Applications (SANFA – 2015)*” was organized by the Department of Chemistry, Kandaswami Kandar's College, Velur- Namakkal during March 12<sup>th</sup> & 13<sup>th</sup>, 2015. The seminar was sponsored by the Department of Science and Technology (DST), SERB, New Delhi. **Dr. N. Latha**, Assistant Professor of Chemistry, Kandaswami Kandar's College was the organizing secretary of the seminar.

The objectives of this Seminar was to discuss and understand the Advanced Nanomaterials for Functional Applications in wide areas of Nano Sciences and Nano Technology and to promote the students to undertake multidisciplinary research in Chemistry. **Prof. Dr.S.Sivasubramanian, Former Vice-Chancellor, Bharathiyar University, Coimbatore** delivered the Inaugural address. **Dr. P. Manisankar, Professor & Head, Department of Industrial Chemistry & Syndicate Member, Dean-Research, Alagappa University, Karaikudi** delivered key note address on ‘NANO MATERIALS: IT IS A SMALL, SMALL WORLD’.

**Dr. D. Velayutham**, Chief Scientist & Head, Electrochemical Process Engineering Division, CECRI, Karaikudi, **Dr. R. Ranjith Kumar**, Assistant Professor, School of Chemistry, Madurai Kamaraj University, Madurai, **Dr. A. Subramania**, Associate Professor, Centre for Nanoscience and Technology, Pondicherry University, **Prof.Dr.M.G.Sethuraman**, Professor & Head, Department of Chemistry, & Director, IQAC, Gandhigram Rural Institute-Deemed University, Gandhigram, **Dr.P.Visha**, Assistant Professor, Department of Veterinary Physiology, Veterinary College and Research Institute, Namakkal. **Dr. C. Raja**, Formulation Chemist, Carmel Industries Inc, Montreal, Canada & Alumini of Kandaswami Kandar's College, Velur, **Dr.C.Selvaraju**, Assistant Professor, National Centre for Ultrafast Processes University of Madras, Chennai, **Dr.T.Selvaraju**, Assistant Professor, Department of Chemistry, Karunya University, Coimbatore and **Prof. Dr.S.Kabilan** Department of Chemistry, Annamalai University, Chidambaram were the

eminent faculties invited to special address in the two day National Seminar. Eight Invited Talks and 36 Oral & Poster Presentations were given. Nearly 250 participants attended this seminar.

The National Seminar provided a platform for UG, PG, M.Phil students, research scholars and faculty members of various science department of our college to interact with eminent scientists and professors of reputed institutions who attended the seminar.



## Department of Zoology

Dr. H. Balasubramanian M.Sc., Ph.D.,  
Asst. Professor in Chemistry, Govt. Arts College, Karaikal

Dr. S. Damodaran M.Sc., Ph.D.,  
Associate Professor in Botany (P&T), Namakkal.

Dr. N. Mahesh Kumar M.Sc., Ph.D.,  
District Environmental Co-ordinator, Marikavai.

M. N. Srinivas Kumar M.Sc., M.Phil.,  
District Environmental Co-ordinator, Salem.

Dr. V. Chandrasekar M.Sc., Ph.D.,  
Associate Professor,  
Dept. of Mathematics, Kandaswami Kandari's College, Vellore

Dr. K. Nandakumar M.Sc., Ph.D.,  
Associate Professor & Head,  
Dept. of Botany, Kandaswami Kandari's College, Vellore

Prof. R. Kanagasabai M.Sc., M.Phil., B.Ed.,  
Associate Professor & Head,  
Dept. of Zoology, Kandaswami Kandari's College, Vellore

Dr. K. Balraj M.Sc., Ph.D.,  
Associate Professor & Head,  
Dept. of Physics, Kandaswami Kandari's College, Vellore

Dr. S. Vedantakumari M.Sc., Ph.D.,  
Associate Professor & Head,  
Dept. of Chemistry, Kandaswami Kandari's College, Vellore

Dr. M. Karthikeyan M.Sc., M.Phil., Ph.D.,  
Associate Professor & Head,  
Dept. of Computer Science, Kandaswami Kandari's College, Vellore

Worshipful Education Officers  
**KANDASWAMI KANDARI'S COLLEGE**  
VELLORE - NAMANKAL, DL - 620 022

**YOUNG STUDENT SCIENTIST PROGRAMME (YSSP) - MAY-2015**  
PHASE - I & II

[Celebrated & Supported by TRIPURA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, GOVERNMENT OF TRIPURA]

**INAUGURAL FUNCTION INVITATION**

Dear Sir / Madam,

We cordially invite you to the Young Student Scientist Programme (YSSP)-2015 supported by TRISCT, organized by KANDASWAMI KANDARI'S COLLEGE, Vellore, from 27<sup>th</sup> May 2015 to 07<sup>th</sup> May 2015, a residential programme for Class X & XI level students of Govt Schools of Non-scheduled & Scheduled Districts. Dr. P. Balaram M.Sc., Ph.D., Registrar and Director of Collegiate Education, Tripura Region, has kindly consented to inaugurate the programme on 27<sup>th</sup> May 2015. Kindly attend the function and grace the occasion.

Thanking You,  
Principal, Kandaswami Kandari's College,  
Vellore, Namankal, Karaikal.

Programme Officer

**INAUGURAL FUNCTION**  
(Date: 23.05.2015 (Sunday))  
Venue: Evening Hall (0.00.00) (Vellore)  
Registration: 9:30 a.m. to 12:30 a.m.  
Prize:

Website Address: Prof. R. Kanagasabai M.Sc., Ph.D.,  
Coordinator - YSSP,  
Head of the Dept. of Zoology

Postal Address: Major Dr. R. Arulmozhi M.Phil., M.Ed., Ph.D.,  
Principal,  
Sankaran Mission, Pappur University, Salem.

In the Presence of: Dr. R. Sumantharam M.Sc.,  
President,  
Kandaswami Kandari's Educational Trust,  
Dr. K. Radhakrishnan M.Sc., B.E.,  
Vice-Chancellor,  
Kandaswami Kandari's Educational Trust.

Guests of Honour: Mr. S. Chellappa M.Sc., M.Phil., B.Ed.,  
Chief Guest (Dist. Namakkal),  
Mr. K. Subramanian M.A., Ph.D.,  
Chief Educational Officer, Salem.

Members of Affinity: Dr. P.K. Boskaran M.Sc., Ph.D.,  
Regional Joint Director of Collegiate Education,  
Tripura Region

Special Address: Dr. E. Thandapani M.Sc., Ph.D.,  
J.C.T. Sankaralakshmi M.Sc., M.Phil.,  
University of Madras, Chennai.

Keynote Address: Dr. K. Krishnan M.Sc., Ph.D.,  
Former Chief, Dept. of Zoology of the Institute,  
Kandaswami Kandari's College, Vellore

Vote of Thanks: Dr. K. Manikandan M.Sc., Ph.D.,  
Head of the Dept. of Zoology,  
National Institute

**Special Invites:**  
Resource Personalities of YSSP Programme

Dr. T.M. Alagiri Sanyal M.Sc., Ph.D.,  
Project Director,  
Regional Science Centre, Coimbatore - 14

Dr. S. Kabilan M.Sc., Ph.D.,  
Professor,  
Dept. of Chemistry, Annamalai University, Chidambaram

Dr. P. Rajamurugesu M.Sc., Ph.D.,  
Professor,  
Dept. of Physics, Periyar University, Salem.

Dr. R. Balagurusamy M.Sc., Ph.D.,  
Professor & Head,  
Dept. of Micro Biology, Periyar University, Salem.

Dr. R. Thiruchendiyatharan M.Sc., Ph.D.,  
Associate Professor,  
Dept. of Zoology, Periyar University, Salem

Dr. S. Sathish M.Sc., M.Phil., Ph.D.,  
Associate Professor,  
Dept. of Computer Science, Periyar University, Salem

Dr. R. Radhakrishnan M.Sc., Ph.D.,  
Associate Professor & Head,  
Dept. of Zoology, Govt. Arts College, Karaikal

M. L.F.A. Anandhony M.Sc., M.Phil.,  
Asst. Professor in Physics,  
Govt. Arts College, Karaikal

**KANDASWAMI KANDAR'S COLLEGE,  
VELUR – 638182, NAMAKKAL DISTRICT.**

**YOUNG STUDENT SCIENTIST PROGRAMME  
(YSSP) – May 2015 – Phase II**

*Catalysed and Supported by*  
**Tamil Nadu State Council for Science and Technology,  
Government of Tamil Nadu.**

**PROGRAMME REPORT**

**Inaugural Function**

On 3<sup>rd</sup> May 2015, We inaugurated the Young Student Scientist Programme in our college for class X standard students of Government/Aided/Matric Schools of Namakkal and Salem districts. Totally 97 students registered and participated (Registration Copy enclosed).

- Major Dr. R.Arul, Principal, presided over the inaugural function.
- Dr. P.K.Baskaran, M.Sc., Ph.D., Regional Joint Director of Collegiate Education, Dharmapuri Region, Dharmapuri inaugurated the function and delivered the inaugural address.
- Dr. M.Krishnan, M.Sc., Ph.D., Professor and Head, Dept. of Environmental Biotechnology, Bharathidasan University, Trichy, delivered the key note address on the topic "Importance of Biotechnology".
- Prof. N.Kanagaraj, Co-ordinator, YSSP welcomed the gathering.

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- 03.05.2015 Afternoon session:

Prof. N.Kanagaraj, Co-ordinator of YSSP 2015 interacted with the students. He explained the entire programme schedule and the students had ice breaking events.

The 97 students were divided into two batches comprising of 49 and 48 students respectively.

- On 04.05.2015 Prof. LFA. Amirtharaj, M.Sc., M.Phil., Assistant Professor of Physics, Government Arts and Science College, Karur delivered a lecture on "The different branches of Physics". Students were highly motivated by his lecture.

In the afternoon session, batch II students had their Physics practicals and batch I students have their Chemistry practicals.

- On 05.05.2015 Dr. P.Thiruchenthilnathan, M.Sc., Ph.D., Associate Professor, Department of Zoology, Periyar University, Salem delivered a lecture on "South Indian Fruit Bats and its Behaviours". It was informative and interesting.

In the afternoon session, batch I students had their Physics practicals and batch II students had their Chemistry practicals.

- On 06.05.2015, Dr. K.Halasubramani, M.Sc., Ph.D., Asst. Professor, Department of Chemistry, Govt. Arts College, Karur was the resource person. He explained the various branches of Chemistry and the job opportunities available in the field of Chemistry. It was a highly informative session.

In the afternoon session, batch I students had their Chemistry practicals and batch II students had Physics practicals.

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- On 07.05.2015, Dr. K.Hadhakrishnan, M.Sc., Ph.D., Associate Professor and Head, Department of Zoology, Govt. Arts College, Karur was the resource person. He presented a lecture on "Different types of diseases, role of antibiotics and structure of DNA". The students gained more knowledge on genes and antibiotics.

In the afternoon session, batch I students had their Zoology practicals and batch II students had their Botany practicals.

- On 08.05.2015, Dr. M.Maheshkumar, M.Sc., Ph.D., District Environmental Co-ordinator, Namakkal was the resource person. He delivered a talk on "Green House Gases, Global Warming and Effect of Climate Change". The students enjoyed his PowerPoint presentation and gained more knowledge on environmental awareness.

In the afternoon session, batch II students had their Zoology practicals and batch I students had their Botany practicals.

- On 09.05.2015, Students were exposed to Industrial visit. They visited The Tamilnadu Newsprint and Papers Limited, Kogithapuram, Karur. They learned more about eco-friendly paper making process. They got a very good exposure on Engineering Marvellous in the field of paper making.

In the afternoon session, Dr. S.Danodaran, M.Sc., Ph.D., Associate Professor of Botany (Retd.), Namakkal was the resource person. He delivered a lecture on "Fungal diseases of human and the uses of phytochemicals in treating the fungal diseases". The students

enjoyed his PowerPoint presentation and gained more knowledge on fungal diseases.

- On 10.05.2015 - Sunday, Yoga Madam Mrs. Malakodi gave yoga practice to our students. Indeed Yoga exercises relaxed the mind and body of our students.

In the afternoon session, students were involved in their project works.

- On 11.05.2015 during morning session Prof. S.Dhivya, Department of Mathematics delivered a lesson on calculus, sets, functions, relations, sequences, arithmetic sequences, geometric sequences, probability, etc. Students were equipped with more knowledge on mathematics.

- On the same day, during session II, Mr. N.Shivakumar, M.Sc., M.Phil., District Environmental Co-ordinator, Salem presented a talk on "Global Warming, Pollution, Disaster Management". Students enjoyed his power point presentation and learned more on disaster management.

In the afternoon session, Dr. P.Kumaradhas, M.Sc., Ph.D., Professor, Dept. of Physics, Periyar University, Salem was the resource person. He delivered a lecture on "X-ray Crystallography and its uses". It was highly informative.

- On 12.05.2015, Students visited the Regional Science Centre, Coimbatore and Tamilnadu Agricultural University, Coimbatore. In the Regional Science Centre, students got good exposure on the various fields of science with working models. They enjoyed a 3D film on the Scientific Concepts.

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- In the afternoon session, they visited Tamilnadu Agricultural University, Coimbatore. In the department of microbiology, they learned about the production of Biofertilizers and its applications. They interacted with the University Professors about the various Research Programmes carried out by them.

- They visited the Botanical Garden of TNAU, Coimbatore. They enjoyed nature.

- On 13.05.2015, Dr. A.Murugan, M.Sc., Ph.D., Asst. Professor of Microbiology, Periyar University, Salem presented a talk on "Microbial Organisms". Students enjoyed the session and they were motivated towards the microbial world.

In the afternoon session, they had microbiology practicals and they observed different types of bacterial and fungal forms and Bacterial Culture Technique.

- On 14.05.2015, Dr. T.M.Angurisamy Raju, M.Sc., Ph.D., Project Director, Regional Science Centre, Coimbatore demonstrated number of scientific experiments and he explained the principles involved in them. Students got hands on training to do the various scientific experiments.

In the afternoon session, Dr. E.Thandapani, M.Sc., Ph.D., UGC Emeritus Fellow, RIAS in Mathematics, University of Madras, Chennai delivered a lecture on prime numbers.

- On 15.05.2015, Mrs. G.Mohanaprabha, Asst. Professor, Department of Computer Science, M.Kumarasamy College of

Engineering, Karur presented a talk on Computer Science. She explained the Basic Principles of Computer Science, Internet Browsing, Creating E-mail ID and how to refer Scientific Journals.

- Dr. R.Jayabal, Senior Scientific Officer, Tamilnadu State Council for Science and Technology, Chennai visited and monitored our programme. He delivered a wonderful speech and motivated our students to develop more scientific skills to lead our country towards achieving more scientific findings.
- In the afternoon session, students had Computer Science practicals.
- On 16.05.2015, Dr. K.Selvaraj, Asst. Professor and Head, Department of Physics, delivered a lecture on Physics.
- Prof. N.Kanagaraj, Co-ordinator-YSSP 2015, Assistant Professor, Department of Zoology, presented a talk on "eDNA Technology and its Applications".
- On 17.05.2015, Dr. G.Archunan, M.Sc., Ph.D., Professor and Head, Department of Animal Science, Bharathidasan University, Trichy, he declared open the Science Exhibition and delivered a scientific address.
- Students exhibited the following projects/exhibits:
  1. Electronic Stethoscope
  2. Automatic Irrigation System
  3. Automatic Street Light
  4. Vibration Indicator Alarms



6. Mobile Phone Shaffer
  6. Generation of Electricity from Sea Water
  7. Solar Lamp
  8. Wind Energy
  9. Overheat Controller
  10. Switch less Calling Bell
  11. Automatic No Parking Alarms
  12. Coin Mobile Charger
  13. Clap Switch
  14. LPG Leakage Indicator
  15. Fire Indicator
  16. Water Pollution
  17. Solid Waste Management
  18. Rain Indicator
  19. Laser Security Alarm for House
  20. Working Models of Human Circulatory System and Respiratory System
- Dr. K.Sekar, M.Sc.Ph.D. Member in Collegiate Education (*In the cadre of Joint Director*) Tescher's Recruitment Board, Chennai, delivered the valedictory address and distributed prizes and certificates to the students.
  - Major Dr. E.Arul, M.Sc.M.Phil.M.Ed.Ph.D. Principal, Syndicate Member, Periyar University, Salem delivered the presidential address.

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Prof. N.Kanagaraj, Co-ordinator - YSSP, welcomed the gathering and submitted the YSSP Report.

Dr. K.Mohankumar, M.Sc.Ph.D. Asst. Professor of Chemistry proposed the vote of thanks.

15 days YSSP Programme was punctuated with National Anthem.

#### Conclusion

With the support and guidance of Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu, we have successfully completed Young Students Scientist Programme (YSSP) - May 2015 - Phase II in our college. As per the aim of Tamil Nadu State Council for Science and Technology, we have ignited the young budding scientist from rural areas of Namakkal and Salem district to become a **renowned scientist** and lead our nation as a **Super Power in the field of Science and Technology**.

#### Acknowledgement

We would like to thank Mr. Praveen Kumar, I.A.S. Member Secretary (Former), Tamil Nadu State Council for Science and Technology for selecting our college and for the financial support to conduct the Young Students Scientist Programme (YSSP) - May 2015 - Phase II for Namakkal and Salem district Students.

We extend our heartfelt thanks to Mrs. Mathumathi, I.A.S. Member Secretary (Present), Tamilnadu State Council for Science and Technology, Chennai for their support and guidance.

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We extend our heartfelt thanks to Prof. Dr. R.Jayabal, Senior Scientific Officer, Tamilnadu State Council for Science and Technology, Chennai for efficient coordination and visiting our centre, interacting with the students and for his word of appreciation.

We thank Chief Educational Officers of Namakkal and Salem district for nominating and deputing the students for this programme.

We also thank Periyar University Professors, Bharathidasan University Professors and College Professors for their motivating lectures on Science and Technology.

We thank the student participants of Namakkal and Salem district for their active participation and co-operation.

  
**PRINCIPAL,**  
**Sandhanai Kundur's College,**  
**VELUR - 636102, Namakkal Dt.**

KANDASWAMI KANDAR'S COLLEGE, VELLUR - 638182  
YOUNG STUDENT SCIENTIST PROGRAMME (YSSP) MAY 2014

PROGRAMME SCHEDULE			
DATE	SESSION - I 9.45 am to 11.45 am	SESSION - II 11.30 am to 12.45 pm	SESSION - III & IV 1.45 pm to 4 pm
05.05.2014 Monday	Inaugural Function		Zoology-Pre O/Gangam
06.05.2014 Tuesday	PHYSICS Prof. J. A. Anandhan	PHYSICS Prof. J. A. Anandhan	Batch I-Physics Practicals Batch II-Chemistry Practicals
07.05.2014 Wednesday	ZOOLOGY Dr. P. Thiruvengadam	ZOOLOGY Dr. P. Thiruvengadam	Batch I- Chemistry Practicals Batch II- Physics Practicals
08.05.2014 Thursday	CHEMISTRY Dr. R. Balasubramanian (9.30 am to 11.15 am)	MATHEMATICS Dr. G. Anandhan	Batch I-Physics Practicals Batch II-Chemistry Practicals
09.05.2014 Friday	ZOOLOGY Dr. E. Balakrishnan	ZOOLOGY Dr. E. Balakrishnan	Batch I- Botany Practicals Batch II-Zoology Practicals
10.05.2014 Saturday	ENVIRONMENTAL SCIENCES Dr. N. Mahalingam (9.30 am to 11.15 am)	BOTANY Dr. R. Narayanaswami	Batch I- Zoology Practicals Batch II- Botany Practicals
11.05.2014 Sunday	BOTANY Dr. S. Devadasan (9.30 am to 11.15 am)	CHEMISTRY Dr. R. Mahalingam	Industrial Visit- TNPL Paper Mill Kazhinjapur-Kaveri
12.05.2014 Monday	YOGA CLASS (9.30 am to 10.45 am)	MATHEMATICS Prof. G. Anandhan (11.00 am to 12.30 pm)	Project Work
13.05.2014 Tuesday	MATHEMATICS Dr. V. Chandrasekaran	ENVIRONMENTAL SCIENCES Mr. N. Sankaranarayanan	PHYSICS Dr. P. Kumaraswami
14.05.2014 Wednesday	Field Trip to the Regional Science Centre, Coimbatore and Tamil Nadu Agricultural University, Coimbatore.		
15.05.2014 Thursday	MICROBIOLOGY Dr. E. Balasubramanian	MICROBIOLOGY Dr. E. Balasubramanian	Microbiology Practicals

Science Experiments-Demo-Dr. T.M. Alagirisamy Raju, Regional Director, Science Centre, Coimbatore.			
14.05.2014 Thursday	COMPUTER SCIENCE	COMPUTER SCIENCE	Computer Science Practicals
15.05.2014 Friday	Dr. S. Sathish	Dr. S. Sathish	Exhibition-Preparatory Work
16.05.2014 Saturday	PHYSICS Dr. K. Srinivasan	ZOOLOGY Prof. N. Karagan	Exhibition-Preparatory Work
17.05.2014 Sunday	Declaring opening of the Exhibition & Scientific Session by Dr. M. A. Akhanna Bharathidasan		Valdetary function Dr. K. SESHAR, Joint Director, TRU, Chennai

**Major Dr. R. ARUL**  
Principal  
Kandaswami Kandar's College  
Vellur-Namakal/DO-638182  
Mobile: 9600003660

**Prof. N. KANAGARAJ**  
Co-ordinator - YSSP  
Associate Professor & Head  
Dept. of Zoology  
Kandaswami Kandar's College  
Vellur-Namakal/DO-638182  
Mobile: 9442629455  
E-Mail: kanagan@vellar@gmail.com

Dr. R. Rajavel M.Sc. M.Phil.,  
Zygodactyl Member, Associate Professor,  
Dept. of Chemistry, Periyar University

Dr. N. Mahesh Kumar M.Sc. Ph.D.,  
District Environmental Co-ordinator, Namakkal

Dr. N. Balakrishnan M.Sc., M.Phil.,  
District Environmental Co-ordinator, Salem

Dr. V. Chandrasekaran M.Sc., Ph.D.,  
Associate Professor,  
Dept. of Mathematics, Kandaswami Kandar's College, Vellur

Dr. K. Rameshkumar M.Sc., Ph.D.,  
Associate Professor & Head,  
Dept. of Botany, Kandaswami Kandar's College, Vellur

Prof. N. Kanagan M.Sc., M.Phil., B.Sc.,  
Associate Professor & Head,  
Dept. of Zoology, Kandaswami Kandar's College, Vellur

Dr. K. Sathyan M.Sc., Ph.D.,  
Associate Professor & Head,  
Dept. of Physics, Kandaswami Kandar's College, Vellur

Dr. S. Vedarajalakshmi M.Sc., Ph.D.,  
Associate Professor & Head,  
Dept. of Chemistry, Kandaswami Kandar's College, Vellur

Dr. M. Hanthayyan M.A., M.Phil., Ph.D.,  
Associate Professor & Head,  
Dept. of Computer Science, Kandaswami Kandar's College, Vellur

Hargis Estayer Services  
**KANDASWAMI KANDAR'S COLLEGE**  
VELLUR - NAMAKKAL - 638 182

**YOUNG STUDENT SCIENTIST PROGRAMME (YSSP) - MAY-2014**

Organized & Supported by "TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY" GOVERNMENT OF TAMIL NADU

**INAUGURAL FUNCTION INVITATION**

Dear Sir / Madam,

We cordially invite you to the Young Student Scientist Programme (YSSP) - 2014 supported by TMSST, organized by KANDASWAMI KANDAR'S COLLEGE, Vellur, from 05<sup>th</sup> May 2014 to 20<sup>th</sup> May 2014, a residential programme for class IX standard students of Government Schools of Namakkal and Salem Districts. Dr. H. Angamuthu, Registrar, Periyar University, Salem has kindly consented to inaugurate the programme on 05<sup>th</sup> May 2014. Kindly stand by for further contact upon this occasion.

Thanking You,

Principal, Management,  
Co-ordinator - YSSP,  
Staff and Students

**INAUGURAL FUNCTION**

Date: 07.05.2014 (Wednesday)  
Venue: Seminar Hall (Library Opposite)  
Registration: 8.30 AM to 10.30 am  
Paper:

Workshop Address: Prof. N. Kanagan M.Sc., M.Phil., Ph.D.,  
Head of the Dept. of Zoology

Presidential Address: Major Dr. R. Arul M.Sc., M.Phil., Ph.D.,  
Principal,  
Kandaswami Kandar's College, Vellur

In the Presence of: Dr. K. Somasundaram M.Sc., M.Phil., Ph.D.,  
President, Kandaswami Kandar's Educational Trust,  
Dr. K. Rameshkumar M.Sc., Ph.D.,  
District Environmental Co-ordinator, Salem

Chief of Guest: Dr. V. Kumar M.Sc., Ph.D.,  
Chief Educational Officer, Namakkal  
Mr. R. Edwinson M.A., M.A.,  
Chief Educational Officer, Salem

Report Address: Dr. K. Angamuthu Ph.D.,  
Registrar,  
Periyar University, Salem-71

Vote of Thanks: Dr. K. Sathyan M.Sc., Ph.D.,  
Joint Co-ordinator - YSSP, YSSP, Periyar  
National Institute

**Special Invites / Resource Personalities of YSSP Programme**

Dr. T.M. Alagirisamy Raju M.Sc., Ph.D.,  
Project Director,  
Regional Science Centre, Coimbatore - 64

Dr. V. Kalirajkumar M.Sc., Ph.D.,  
Professor & Head,  
Dept. of Physics, Periyar University

Dr. C. Sathyan M.Sc., Ph.D.,  
Professor & Head,  
Dept. of Mathematics, Periyar University

Dr. V. Raj, M.Sc., Ph.D.,  
Professor & Head,  
Dept. of Chemistry, Periyar University

Dr. K. Thangavelu M.Sc., Ph.D.,  
Professor & Head,  
Dept. of Computer Science, Periyar University

Dr. S. Kannan M.Sc., Ph.D.,  
Professor & Head,  
Dept. of Zoology, Periyar University

Dr. S. Murugesan M.Sc., Ph.D.,  
Professor & Head,  
Dept. of Botany, Periyar University

Dr. S. Sathish M.Sc., M.Phil., Ph.D.,  
Assistant Professor,  
Dept. of Computer Science, Periyar University

**KANDASWAMI KANDAR'S COLLEGE,**  
VELLUR - 638182, NAMAKKAL DISTRICT.  
**YOUNG STUDENT SCIENTIST PROGRAMME (YSSP) - May 2014**

*Catalysed and Supported by*  
**Tamil Nadu State Council for Science and Technology,**  
Government of Tamil Nadu.  
**PROGRAMME REPORT**

**Inaugural Function**

On 7<sup>th</sup> May 2014, We inaugurated the Young Student Scientist Programme in our college for class IX standard students of Government Schools of Namakkal and Salem districts. Totally 80 students registered and participated (Registration Copy enclosed).

- Major Dr. R.Arul, Principal, presided over the inaugural function.
- Dr. H.Somasundaram, M.D., Kandaswami Kandar's Educational Trust felicitated the function.
- Dr. K.Angamuthu, Registrar, Periyar University, Salem inaugurated the function and delivered the inaugural address.
- Prof. N.Kanagan, Co-ordinator, YSSP welcomed the gathering.
- 07.05.2014 Afternoon session:  
The 80 students were divided into two batches comprising of 40 students each.

Batch I students had their Physics practicals and they learned rudimentary Physics principles.

Batch II students had hands on experience on basic chemicals and laboratory equipments.

- On 08.05.2014 Dr. S.Kannan, M.Sc., Ph.D., Professor and Head, Department of Zoology, Periyar University, Salem delivered a lecture on Nobel Prize Winners for Physiology and Medicine from the year 1901-2013. Students were highly motivated by his lecture. In the afternoon session, batch II students went for their Physics practicals and batch I students went for the Chemistry practicals.
- On 09.06.2014 Dr. V.Raj, M.Sc., Ph.D., Professor and Head, Department of Chemistry, Periyar University, Salem delivered a lecture on Organic, Inorganic branches of Chemistry, career opportunities for Chemistry students. In the afternoon session, batch I students had their Physics practicals and batch II students had their Chemistry practicals.
- On 10.05.2014, Dr. R.Rajvel, M.Sc., M.Phil., Associate Professor, Department of Chemistry, Periyar University, Salem, delivered a lecture on the structure of an atom, periodic table, IUPAC, chemical reactions, elements in the human body and bio-chemistry. It was a highly informative session.
- On 11.05.2014, all the students were taken to the Regional Science Centre, Trichy. They visited Plantarium, Science Centre, SD Centre, etc. They enjoyed and learned many scientific principles in the centre.



In the afternoon session, they visited Trichy Airport and enjoyed. In the evening, students visited Mukkoimbu on the banks of River Cauvery and had a feel of nature.

- On 12.05.2014, Dr. Alagirisamy Raja, Regional Director, Science Centre, Coimbatore demonstrated science experiments in a simple and novel method. He did demo on Pascal Law, Newton's Law, Archimedes Principle, Centrifugal force, Centripetal force, etc. Students enjoyed his morning and evening sessions. It was highly informative and inspiring.
- On 13.05.2014, Dr. S.Murugesu, M.Sc., Ph.D., Professor & Head, Department of Botany, Periyar University presented a talk on Aquatic Eco System, Ornamental plants, Horticulture and Medicinal plants. He explained about the various Science Institutes like DST, DBT, IAR, etc. to the students.

In the afternoon session, Batch I students had their Botany practicals and Batch II students had their Zoology practicals. Students got more knowledge on Invertebrate and Vertebrate animals by seeing preserved specimens, micro slides etc.

- On 14.05.2014, Dr. N.Maheshkumar, M.Sc., Ph.D., District Environmental Co-ordinator, Namakkal delivered a talk on Greenhouse gases, Global Warming and effect of climate change. Students enjoyed his PowerPoint presentation.

In the afternoon session, Batch I students went to Zoology Lab and Batch II students went to Botany Lab.

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- On 15.05.2014 during morning session Prof. S.Dhanya, Department of Mathematics delivered a lesson on sets, functions, relations, sequences, arithmetic sequences, geometric sequences, probability, etc.

Dr. V.Chandrasekaran, Associate Professor in Maths has delivered a lecture on the topic of Application of Mathematics, Career Opportunity for Maths students.

In the afternoon session, Dr. V.Krishnakumar, Professor and Head, Department of Physics, Periyar University delivered a lecture on LASER and its applications.

- On 16.05.2014, students were taken to Tamilnadu Veterinary College and Research Institute, Namakkal. They learned about bacterial culture in the microbiology laboratory. Further, they visited poultry farm, cattle farm, piggery, quail, turkey, goat, sheep, Ostrich, fish and Dairy farms.

In the afternoon session, they visited Avian Diseases Diagnostic Lab and Feed Lab. Really they enjoyed the day with more knowledge on Veterinary Science.

- On 17.05.2014 during morning session, Dr. S.Sathya, M.Sc., M.Phil., Ph.D., Assistant Professor, Department of Computer Science, Periyar University spoke on the topic "Basics of Computer, Networks, Operating System and Application of Computer Animation".

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In the afternoon session, they went to microbiology lab, they were exposed to bacterial cultures, instruments like BOD incubator, Centrifuge, Spectrophotometer, etc.

- On 18.05.2014, Yoga Master Mrs. Mahakoshi gave yoga practice to our students. Indeed Yoga exercises relaxed the mind and body of our students.

- On 19.05.2014, Dr. C.Selvan, M.Sc., Ph.D., Professor and Head, Department of Mathematics, Periyar University delivered a lesson on Polynomials and explained the life history of mathematicians, genius Srinivasa Ramanujan. It was highly informative.

In the afternoon session, students identified their own blood groups by themselves in the Zoology lab.

- On 20.05.2014, Mr. N.Srinivasan, M.Sc., M.Phil., District Environmental Co-ordinator, Salem took a lesson on "Global Warming Pollution, Disaster Management".

In the afternoon session, students were exposed to Computer Science practicals.

- On 21.05.2014 during morning session, Prof. N.Kannagan, Assistant Professor, Department of Zoology, delivered a lecture on Genetic Engineering - rDNA Technology and Production of Insulin humans by this method.

In the afternoon session, students were exposed to Computer Science practicals.

- On 22.05.2014 Dr. K.Thangavelu, M.Sc., Ph.D., Professor and Head, Department of Computer Science, Periyar University gave a lecture on the Basics of Computer Science and Internet. Students created their own Email Id during that session.

- On 23.05.2014 Dr. K.Selvaraj, Physics Professor delivered a lecture on "Basics of Physics". Prof. V.Ramasamy, S.C. Scientific Officer, Tamilnadu State Council for Science and Technology, Chennai inspected the programme and interacted with the students. It was a highly motivating session.

- On 24.05.2014, Dr. Mohankumar, Department of Chemistry, delivered a speech on Hard Water, Gases, Reversible Reactions and Chemistry of Fuels.

In the afternoon session, students visited TNPL, Chloro Preparation Centre, Koppilapuram.

- On 25.05.2014, Students were busy with their preparation for their Science Exhibition.

- On 26.05.2014, Science Exhibition and Valedictory function were held.

- Students exhibited the following exhibits:

1. Automatic Screen Lasp
2. LED Leakage Indicator
3. Fire Indicator
4. Laptop Theft Indicator

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5. Break Failure Indicator
6. Air Operated Four Wheeler
7. Water Pollution
8. Solid Waste Management
9. Automatic Railway Gate Closure
10. Alcohol Indicator
11. Helmet Indicator
12. Rain Indicator
13. Vibration Indicator
14. Moisture Control System
15. Laser Security Alarm for House
16. Defibrillator

Dr. Sethu Ganeskaran, M.Sc., Ph.D., Dean (Research), Chennai declared open the Science Exhibition and delivered the Scientific address to the students.

Dr. A.Klangovan, M.Sc., Controller of Examinations, Periyar University, Salem delivered the valedictory address and distributed the prizes and certificates to the students.

Prof. N.Kannagan, Co-ordinator - YSSP, welcomed the gathering and submitted the YSSP Report.

Dr. K.Selvaraj, Asst. Co-ordinator - YSSP, proposed the vote of thanks.

20 days YSSP Programme came to an end with National Anthem.

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#### Conclusion

With the support and guidance of Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu, we have successfully completed Young Students Scientist Programme (YSSP) - May 2014 in our college. As per the aim of Tamil Nadu State Council for Science and Technology, we have assisted the young budding scientist from rural areas of Namakkal and Salem district to become a renowned scientist and lead our nation as a super power in the field of science and technology.

#### Acknowledgements

We would like to thank Mr. Kumar Jayanthi, I.A.S., Member Secretary, Tamil Nadu State Council for Science and Technology for selecting our college and for the financial support to conduct the Young Students Scientist Programme (YSSP) - May 2014 for Namakkal and Salem district Students.

We extend our heartfelt thanks to Prof. V.Ramasamy, S.C. Scientific Officer, Tamilnadu State Council for Science and Technology, Chennai for efficient coordination and visiting our centre, interacting with the students and for his word of appreciation.

We thank Chief Educational Officers of Namakkal and Salem District for nominating the students for this programme.

We also thank Periyar University Professors and College Teachers for their motivating lectures on Science and Technology.

We thank the student participants of Namakkal and Salem District for their active participation and cooperation.

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R. Jeyanthi



**KANDASWAMI KANDAR'S COLLEGE, YELUR, NAMAKKAL (DU)  
YOUNG STUDENT SCIENTIST PROGRAMME (YSSP) MAY - 2014**

**PROGRAMME SCHEDULE**

Date	10.00am to 11.15am	11.30am to 12.45pm	1.45pm to 4.00pm
07.05.2014 Wednesday	Integration Function	Integration Function	Batch I - Physics Practicals Batch II - Chemistry Practicals
08.05.2014 Thursday	Zoology - Dr. Kannan	Zoology - Dr. Kannan	Batch II - Physics Practicals Batch I - Chemistry Practicals
09.05.2014 Friday	Chemistry - Dr. Raj	Chemistry - Dr. Raj	Batch II - Chemistry Practicals Batch I - Chemistry Practicals
10.05.2014 Saturday	Chemistry - Dr. Rajavel	Chemistry - Dr. Rajavel	Batch II - Chemistry Practicals Batch II - Physics Practicals
11.05.2014 Sunday	Field Trip to the Regional Science Centre - Trichy		
12.05.2014 Monday	Science Experiments-Demo-Dr. Alagunathan Raja, Regional Director, Science Centre, Coimbatore		
13.05.2014 Tuesday	Botany - Dr. S. Manjush	Botany - Dr. S. Manjush	Batch I - Botany Practicals Batch II - Zoology Practicals
14.05.2014 Wednesday	Environmental Science Dr. N. Mahalingam	Environmental Science Dr. N. Mahalingam	Batch I - Zoology Practicals Batch II - Botany Practicals
15.05.2014 Thursday	Mathematics - Prof. S. Divya	Mathematics - Dr. V. Chandrasekaran	Physics - Dr. V. Krishnakumar
16.05.2014 Friday	Field Trip to the Veterinary College and Research Institute, Narsipatnam		
17.05.2014 Saturday	Computer Science - Dr. S. Sathish	Computer Science - Dr. S. Sathish	Batch I - Botany Practicals Batch II - Zoology Practicals
18.05.2014 Sunday	Yoga	Yoga	Others

19.05.2014 Monday	Mathematics - Dr. C. Sivaraj	Mathematics - Dr. C. Sivaraj	Morphology Practicals
20.05.2014 Tuesday	Environmental Science Dr. S. Shivakumar	Environmental Science Dr. S. Shivakumar	Computer Science Practicals
21.05.2014 Wednesday	Zoology - Prof. N. Ganapathi	Botany - Dr. S. Manjush	Morphology Practicals
22.05.2014 Thursday	Computer Science Dr. K. Thangavel	Computer Science - Dr. K. Thangavel	Project Work
23.05.2014 Friday	Physics - Dr. E. Sivaraj	Chemistry - Dr. S. Velrajayal	Project Work
24.05.2014 Saturday	Field Trip to the TNPC - Cloud Propagation Centre, Karghupurem		
25.05.2014 Sunday	Preparatory Work For Exhibition	Preparatory Work For Exhibition	Preparatory Work For Exhibition
26.05.2014 Monday	Special Address Dr. Sankar Ganeshkumar	Exhibition - Valedictory Function	

Prof. N. KANAGARAT  
Co-Ordinator-YSSP  
Associate Professor & Head  
Dept of Zoology  
S.K. College, Yelur  
Contact: 944329455

**DAY V** - Identification of Food Additives  
Date: 06.05.2014 (Thursday)  
Venue: College Auditorium  
Registration: 9.30 am to 10.00 am

**WEDDING FUNCTION**

**Topic:**  
Welcome Address - Dr. S. VISWANATHAN, M.A., M.Phil., M.Sc., IAS, IAS (Retd.)

**Presidential Address:** Major Dr. S. ARUL, M.A., M.Phil., M.Sc., President, Vice-Chancellor, Coimbatore, Coimbatore, Tamil Nadu, Periyar University, Salem.

**Inaugural Address:** Dr. S. SOMASUNDRAM, M.A., President, Kandaswami Kandar's Educational Trust.

**Key note and Technical Address:** Dr. A. LOGANATHAN, M.A., Ph.D., Asst. Professor in Chemistry, Angkor State Univ. Angkor, Cambodia.

**Timetable:**  
 Tea break - 10.45 am to 11.00 am  
 Technical Session - I - 11.00 am to 11.30 pm  
 Lunch - 1.00 pm to 1.30 pm  
 Technical Session - II - 2.00 pm to 3.30 pm  
 Tea break - Live show and Photo - on Training on Food Additives  
 Tea break - 3.30 pm to 3.45 pm  
 Inaugural address and food lunch - 3.45 pm to 4.15 pm  
 Vote of thanks - Prof. N. KANAGARAT, M.A., M.Phil., Co-Ordinator-YSSP.  
 National Anthem

Margal Sarvopaya Zedhara  
**KANDASWAMI KANDAR'S COLLEGE**  
YELUR, NAMAKKAL - 638 182

**APPLICATION OF SCIENCE AND TECHNOLOGY  
IN RURAL AREAS (ASTRA) PROGRAMME**

ORGANISED AND SUPPORTED BY "TAMILNADU STATE COUNCIL  
FOR SCIENCE AND TECHNOLOGY, GOVT OF TAMILNADU"

**INVITATION**

**Dear Sir / Madam,**  
We cordially invite you to the "APPLICATION OF SCIENCE AND TECHNOLOGY IN RURAL AREAS (ASTRA) PROGRAMME" supported by TNSCST, organized by KANDASWAMI KANDAR'S COLLEGE, Yelur, from 26<sup>th</sup> February 2014 to 4<sup>th</sup> March 2014. We will self-help group members, rural people and students on the following topics:

1. Sericulture
2. Ornamental Fish Culture
3. Nutrition Definition
4. Training and Demonstration of Solar Heater, Solar Dryer, Solar Cooker
5. Identification of Food Additives

Principal, Manager  
Co-Ordinator-AST  
Staff and Students

(Programme as per manual)

**DAY I** - Sericulture Programme  
Date: 26-02-2014 (Wednesday)  
Venue: College Auditorium  
Registration: 9.30 am to 10.00 am

**WEDDING FUNCTION**

**Topic:**  
Welcome Address - Prof. N. KANAGARAT, M.A., M.Phil., Co-Ordinator-YSSP, KKS COLLEGE

**Presidential Address:** Major Dr. S. ARUL, M.A., M.Phil., M.Sc., President, Vice-Chancellor, Coimbatore, Coimbatore, Tamil Nadu, Periyar University, Salem.

**Inaugural Address:** Dr. S. SOMASUNDRAM, M.A., President, Kandaswami Kandar's Educational Trust.

**Key note and Technical Address:** Dr. C. CHOKKANNA, M.A., Ph.D., Regional Sericulture Research Station, Central Silk Board, Govt of India, Salem.

**Timetable:**  
 Tea break - 10.45 am to 11.00 am  
 Technical Session - I - 11.00 am to 11.30 pm  
 Lunch - 1.00 pm to 1.30 pm  
 Technical Session - II - 2.00 pm to 3.30 pm  
 Tea break - Live show and Photo - on Training on Sericulture  
 Tea break - 3.30 pm to 3.45 pm  
 Inaugural address and food lunch - 3.45 pm to 4.15 pm

**DAY II** - Ornamental Fish Culture Programme  
Date: 27.02.2014 (Thursday)  
Venue: College Auditorium  
Registration: 9.30 am to 10.00 am

**WEDDING FUNCTION**

**Topic:**  
Welcome Address - Prof. N. KANAGARAT, M.A., M.Phil., Co-Ordinator-YSSP, KKS COLLEGE

**Presidential Address:** Major Dr. S. ARUL, M.A., M.Phil., M.Sc., President, Vice-Chancellor, Coimbatore, Coimbatore, Tamil Nadu, Periyar University, Salem.

**Inaugural Address:** Dr. S. SOMASUNDRAM, M.A., President, Kandaswami Kandar's Educational Trust.

**Key note and Technical Address:** Dr. S. ANAND, M.A., Ph.D., Dept. of Fisheries, Fisheries College and Research Institute, Narsipatnam.

**Timetable:**  
 Tea break - 10.45 am to 11.00 am  
 Technical Session - I - 11.00 am to 11.30 pm  
 Lunch - 1.00 pm to 1.30 pm  
 Technical Session - II - 2.00 pm to 3.30 pm  
 Tea break - Live show and Photo - on Training on Fish Culture  
 Tea break - 3.30 pm to 3.45 pm  
 Inaugural address and food lunch - 3.45 pm to 4.15 pm

**DAY III** - Sericulture Programme  
Date: 28.02.2014 (Friday)  
Venue: College Auditorium  
Registration: 9.30 am to 10.00 am

**WEDDING FUNCTION**

**Topic:**  
Welcome Address - Dr. C. CHOKKANNA, M.A., M.Phil., M.Sc., IAS, IAS (Retd.)

**Presidential Address:** Major Dr. S. ARUL, M.A., M.Phil., M.Sc., President, Vice-Chancellor, Coimbatore, Coimbatore, Tamil Nadu, Periyar University, Salem.

**Inaugural Address:** Dr. S. SOMASUNDRAM, M.A., President, Kandaswami Kandar's Educational Trust.

**Key note and Technical Address:** Mrs. R. DAISY, M.A., IAS, IAS (Retd.), State Yogeshwari, Namakkal.

**Timetable:**  
 Tea break - 10.45 am to 11.00 am  
 Technical Session - I - 11.00 am to 11.30 pm  
 Lunch - 1.00 pm to 1.30 pm  
 Technical Session - II - 2.00 pm to 3.30 pm  
 Tea break - Live show and Photo - on Training on Sericulture  
 Tea break - 3.30 pm to 3.45 pm  
 Inaugural address and food lunch - 3.45 pm to 4.15 pm

**DAY IV** - Training and Demonstration of Solar Heater, Solar Dryer, Solar Cooker Programme  
Date: 29.02.2014 (Saturday)  
Venue: College Auditorium  
Registration: 9.30 am to 10.00 am

**WEDDING FUNCTION**

**Topic:**  
Welcome Address - Dr. S. SOMASUNDRAM, M.A., M.Phil., M.Sc., IAS, IAS (Retd.)

**Presidential Address:** Major Dr. S. ARUL, M.A., M.Phil., M.Sc., President, Vice-Chancellor, Coimbatore, Coimbatore, Tamil Nadu, Periyar University, Salem.

**Inaugural Address:** Dr. S. SOMASUNDRAM, M.A., President, Kandaswami Kandar's Educational Trust.

**Key note and Technical Address:** Dr. E. RANIKANDAN, M.A., IAS, IAS (Retd.), State Research Centre, 85, Anna Salai, Chennai, Central Silk Board, Govt of India, Salem.

**Timetable:**  
 Tea break - 10.45 am to 11.00 am  
 Technical Session - I - 11.00 am to 11.30 pm  
 Lunch - 1.00 pm to 1.30 pm  
 Technical Session - II - 2.00 pm to 3.30 pm  
 Tea break - Live show and Photo - on Training on Solar Cooker  
 Tea break - 3.30 pm to 3.45 pm  
 Inaugural address and food lunch - 3.45 pm to 4.15 pm

**APPLICATION OF SCIENCE AND TECHNOLOGY IN RURAL AREAS (ASTRA) PROGRAMME**  
SUPPORTED BY "TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, GOVT OF TAMILNADU"

**Day II Sericulture Programme**

- The Day II - Sericulture programme was conducted on 26/02/2014 in the college auditorium.
- 123 members (teachers and self-help group members) registered and participated.
- The inaugural function started with Tamil Tamil Vaidhehi.
- Prof. N. Kanagarat, Co-ordinator-ASTRA Programme addressed to gathering.
- Major, Dr. S. Arul, President, Member, Vice-Chancellor, Coimbatore, Coimbatore, Tamil Nadu, Periyar University, Salem, presided over the function.
- Dr. S. Somasundaram, M.A., President, Kandaswami Kandar's Educational Trust delivered the inaugural address.
- Dr. Chokkanna, M.A., Ph.D., Scientist-D, Regional Sericulture Research Station, Central Silk Board, Govt of India, Salem, delivered key note address.
- After the key note, technical session - started.
- Dr. Chokkanna addressed the address on sericulture with a video power point presentation. He explained the cultivation of mulberry plant, life cycle of silk moth, cocoon rearing and reeling of silk from the cocoon.
- After the technical talk technical session - II started.
- Students witnessed an exhibition on sericulture. Further they learned about value added products made from waste cocoons.
- Students and self-help group members were exposed to their scientific, interesting on sericulture.
- It was an eye opener for the participants to learn how an entrepreneur and thereby they can enhance their self-employment and economic status.



#### DAY II - Ornamental Fish Culture Programme

- The Day II - Ornamental Fish Culture Programme was conducted on 25.02.2014 in the Seminar Hall.
- 143 members (students and self-help group members) registered and participated.
- The inaugural function started with Tamil Thani Vaidya.
- Prof. N. Kannan, Coordinator, ASTRA Programme welcomed the gathering.
- Major. Dr. R. Anil, Principal, Member Vice-Chancellor, Consumer Committee, Siddhartha Mission, Palyar University, Salem, Presided over the function.
- Dr. B. Somanandaram, M.D., President, Kanchiwanthi Kanchi's Educational Trust delivered the inaugural address.
- Dr. K. Anand, M.Sc., Ph.D., Asst. Professor, Dept. of Fisheries Environment, Fisheries College and Research Institute, Thoothukudi delivered the key note address.
- After the tea break, technical session - I started.
- Dr. K. Anand delivered a colorful and power point presentation on Ornamental Fish culture. He explained about the different types of ornamental fishes, their descriptions, nutrition, reproduction, diseases and their prevention.
- After the delicious lunch technical session - II started.
- During the technical session II he did a live demo on fish tank aeration, filtration of water and an automatic fish feeder etc.
- The programme was highly informative with recent techniques.
- With the acquired knowledge on ornamental fish culture, participants can start their own fish aquarium centers - an entrepreneurial and white collar in their life.

#### Day III - Mushroom Cultivation

- Day III - Mushroom cultivation was conducted on 26.02.2014 in the Seminar Hall.
- 143 members (students and self-help group members) registered and participated.
- The inaugural function started with Tamil Thani Vaidya.
- Prof. Dr. K. Vasudevan, M.Sc., M.Phil., Ph.D., IROD - Dinsy welcomed to gathering.
- Major. Dr. R. Anil, Principal, Member Vice-Chancellor, Consumer Committee, Siddhartha Mission, Palyar University, Salem, Presided over the function.
- Dr. B. Somanandaram, M.D., President, Kanchiwanthi Kanchi's Educational Trust delivered the inaugural address.
- Mrs. M. Dines, M.Sc., Agri. Inform. Manager, Kirti Vigyan Kendra, Tirupattur delivered the key note address.
- After the tea break, technical session - I started.
- Mrs. M. Dines gave an explanation on mushroom cultivation.
- She described about the different types of mushrooms, cultivation methods, their nutritional values and medicinal values.
- In the technical session - II she gave a live - demo and hands on training on mushroom cultivation to the participants.
- Students gathered more scientific information on mushroom cultivation.
- Bank loan schemes for mushroom cultivation was highlighted by her.
- By adopting the expertise of the expert, one can start their own self-help cottage industry and become a successful entrepreneur.

#### Day IV - Training and Demonstration of Solar Heater, Solar Drier, Solar Cooker Programme

- Day IV - Training and Demonstration of Solar Heater, Solar Drier, Solar Cooker Programme was conducted on 01.03.2014 in the Seminar Hall.
- 143 members registered and participated.
- The inaugural function started with Tamil Thani Vaidya.
- Prof. Dr. K. Narayana, M.Sc., M.Phil., Ph.D., IROD - Physics welcomed the gathering.
- Major. Dr. R. Anil, Principal, Member Vice-Chancellor, Consumer Committee, Siddhartha Mission, Palyar University, Salem, Presided over the function.
- Dr. B. Somanandaram, M.D., President, Kanchiwanthi Kanchi's Educational Trust delivered the inaugural address.
- Dr. K. Lakshminaras, Ph.D., Senior Research Scientist, Space Research Centre, B.R. Ambedkar Education University, Chennai delivered the key note address.
- After the tea break, technical session - I started.
- Dr. K. Lakshminaras delivered a lecture on solar photovoltaic cell applications in a detailed manner with an Physics Principle. Indeed his lecture kindled the spirit of our students to get into solar energy at research level.
- After the delicious lunch technical session - II started.
- Mr. Chinnaswamy, B.E., Student IV - Agricultural Engineer, Shriya Energy Private LTD., Coimbatore delivered a lecture on working principle of SRV system. He elaborated the principle of solar heater, solar drier, solar cooker and solar lights.
- Students attracted with the resource persons and gained more knowledge on solar energy.
- Definitely, ASTRA Programme lighted the minds of our students on solar energy and it will lead India with environmentally friendly sustainable entrepreneurship to overcome the energy crisis.

#### Day V - Identification of Food Adulteration

- Day V - Identification of Food Adulteration Programme was conducted on 06.03.2014 in the Seminar Hall.
- 143 members (students and self-help group members) registered and participated.
- The inaugural function started with Tamil Thani Vaidya.
- Prof. Dr. S. Vasudevan, M.Sc., M.Phil., Ph.D., IROD - Chemistry welcomed to gathering.
- Major. Dr. R. Anil, Principal, Member Vice-Chancellor, Consumer Committee, Siddhartha Mission, Palyar University, Salem, Presided over the function.
- Dr. B. Somanandaram, M.D., President, Kanchiwanthi Kanchi's Educational Trust delivered the inaugural address.
- Dr. A. Loganathan, M.Sc., Ph.D., Asst. Professor in Chemistry, Arignar Anna Govt. Arts College, Tirupattur delivered the key note address.
- Dr. A. Loganathan, delivered an informative talk on identification of food adulteration. He explained how food is adulterated with harmful chemicals and other substances. He emphasized on the acute effect of adulterated food on the human body. He has quoted food security act and legal provisions on food adulteration.
- In informal session, he demonstrated the simple test to find out the adulteration of the coffee powder, turmeric powder, chili powder, honey etc.
- Students gathered more scientific information on food adulteration and ways to find it out.
- Surely it is an awareness programme on food adulteration.
- They will take this message to the rural people and create awareness on food adulteration and healthiness towards the goal "Healthy India".
- Prof. N. Kannan, Coordinator, ASTRA Programme delivered the vote of thanks.
- ASTRA Programme came to an end with musical numbers.

#### Resource Persons List

- (1) Dr. Chinnaswamy, M.Sc., Ph.D., Scientist-I, Regional Agricultural Research Station, Central Hill Board, Govt. of India, Salem.
- (2) Dr. K. Anand, M.Sc., Ph.D., Asst. Professor, Dept. of Fisheries Environment, Fisheries College and Research Institute, Thoothukudi.
- (3) Mrs. M. Dines, M.Sc., Agri. Inform. Manager, Kirti Vigyan Kendra, Tirupattur.
- (4) Dr. K. Lakshminaras, Ph.D., Senior Research Scientist, Space Research Centre, B.R. Ambedkar Education University, Chennai.
- (5) Dr. A. Loganathan, M.Sc., Ph.D., Asst. Professor in Chemistry, Arignar Anna Govt. Arts College, Tirupattur.