

**TWENTIETH ANNUAL REPORT**  
**CENTRE OF ADVANCED FACULTY TRAINING**  
**IN HOME SCIENCE**  
**(APRIL 2014 – MARCH 2015)**



**Submitted by**

**DR.MAHALAKSHMI V.REDDY**

**DIRECTOR - CAFT - HOME SCIENCE**



**POST GRADUATE & RESEARCH CENTRE**  
**COLLEGE OF HOME SCIENCE**  
**PROFESSOR JAYASHANKAR TELANGANA STATE**  
**AGRICULTURAL UNIVERSITY**  
**RAJENDRANAGAR: HYDERABAD – 500 030**

**TWENTIETH ANNUAL REPORT OF  
CENTRE OF ADVANCED FACULTY TRAINING  
FOR THE YEAR 2014-2015**

1. Project Title : Centre of Advanced Faculty Training.
2. Sanction No. : Proc. No. 37735/H.Sc/A1/94,  
Date: 22-9-95 of APAU
3. Report Period : April 2014 – March 2015.  
Report No. : XX
4. Date of Start : 02-11-1995
5. A) Name of Institute/Station : Professor Jayashankar Telangana State Agricultural  
University, Rajendranagar, Hyderabad
- B) Division/Department/  
Section : Centre of Advanced Faculty Training  
Post Graduate & Research Centre,  
College of Home Science,  
Rajendranagar, Hyderabad – 500 030.
6. Technical Programme
- a) Technical Programme as approved for the scheme: Appendix – I (Enclosed)
- b) Technical Programme for the next plan period: Submitted for Approval in the year  
2014-15 (Appendix II enclosed)
7. Technical Personnel employed (list of vacancies, if any)

Sanctioned Posts by ICAR: Post particulars	Posts filled	Posts to be filled
1. Steno-cum-Typist	ONE	--
2. AVA Operator	ONE	--

**Technical staff employed:**

Name with Designation	Date of Joining	Date of leaving
Research Associate* @ Rs.18,500/- Consolidated - Ms. D. Krishna Priya	01.07.2014	15.11.2014
Research Associate* @ Rs.18,500/- Consolidated – Mrs.Bhavani M Paragi	01.12.2014	26.03.2015
Computer Operator @ Rs 8500/- consolidated Mrs.Sunitha	01.04.2014	31.03.2015
AV Operator @Rs 6500/- Consolidated - Mr.Laxman	01.04.2014	31.03.2015

**8. Total outlay : Rs. (1, 47, 29,774.70)**

- Rs. 4, 56,219-20 (1995-1996)
- Rs. 9, 61,192-20 (1996-1997)
- Rs. 12, 01,649-20 (1997-1998)
- Rs. 9, 10,103-40 (1998-1999)
- Rs. 4, 86,691-75 (1999-2000)
- Rs. 7, 03,771-30 (2000-2001)
- Rs. 5, 28,023-90 (2001-2002)
- Rs. 5, 14,463-75 (2002-2003)
- Rs. 6, 32,489-00 (2003-2004)
- Rs. 4, 75,996-00 (2004-2005)
- Rs. 6, 45,016-00 (2005-2006)
- Rs. 6, 79,644-00 (2006-2007)
- Rs. 5, 06,987-00 (2007-2008)
- Rs. 7, 77,737-00 (2008-2009)
- Rs. 4, 33,989-00 (2009-2010)
- Rs. 5, 26,084-00 (2010-2011)
- Rs. 10, 27,806-00 (2011-2012)
- Rs. 9, 44,662-00 (2012-2013)
- Rs. 9, 57,426-00 (2013-2014)
- Rs. 13, 59,824-00 (2014-2015)

**Budget & Expenditure particulars for 2014-15:**

Sl. No	Particulars	Budget in Rs	Expenditure in Rs	Balance in Rs
1	Training programme -1	3,75,000-00	3,12,525-00	62,475-00
2	Training programme -2	3,75,000-00	3,72,707-00	2293-00
3	TA/DA	30,000-00	0	30,000-00
4	Books	35,000-00	34,998-00	2-00
5	Recurring Contingencies	2,40,000-00	2,40,000-00	0
6	Staff salary	4,00,000-00	3,99,594-00	406-00
<b>Total</b>		<b>14,55,000-00</b>	<b>13,59,824-00</b>	<b>95,176-00</b>

9. Total amount spent in previous year (2013-14): Rs 9, 57,426-00

10. Total amount sanctioned/spent during the year under report

a) Sanctioned : Rs. 14, 55,000-00

b) Spent : Rs. 13, 59,824-00

11. Total No. of months during the year : 12 months (From April 2014 –March2015)

12. Summary : Enclosed.

Signature :

Name : MAHALAKSHMI V.REDDY

Designation : PROFESSOR-CUM-DIRECTOR.

**WORK PLAN PROPOSED BY THE CENTRE OF ADVANCED FACULTY TRAINING  
– HOME SCIENCE AND ACTION TAKEN REPORT**

**FOR THE YEAR 2014 – 15**

**College of Home Science, Post Graduate & Research Centre  
Rajendranagar, Hyderabad - 500 030.**

**I. OBJECTIVES**

- To serve as a national resource and training centre for faculty in the field of Home Science.
- To update the curriculum and courses of Home Science to strengthen teaching and evaluation at UG and PG level.
- To support the government in training personnel.
- To disseminate Home Science information to personnel of different sectors.

**II. OUTPUTS/PROGRAMMES IMPLEMENTED DURING THE YEAR 2014-15**

**Objective 1**

- To serve as a national resource and training centre for faculty in the field of Home Science in State Agricultural Universities.

**Action Plan**

**A. Short courses (Report in brief Pg-10-44)**

CAFT - H.Sc had organized Two 21 days Training programmes in priority areas of Home Science from first training is on “Home Science Knowledge Management (KM) -Innovative Processes and Tools” from 3<sup>rd</sup> to 23<sup>rd</sup> September, 2014 (Report in brief Pg- 11-26) and the second training was on “Advances in Food Processing Technologies for Value Addition and Enterprise Development” from 21<sup>st</sup> January to 10<sup>th</sup> February 2015 (Report in brief Pg-27-44).

**B. Allocation of Seats under PG Programme**

Provision of seats in M. Sc. Home Science & Food Science Technology and also Ph. D. in Home Science to outside State candidates selected through a common test conducted by ICAR/PJTSAU and it admitted. Also International students deputed by ICAR and International cultural center (Report in Pg -44)

**C. Research (Report in Pg- 45-50)**

## **Objective 2**

To update the curriculum and courses of Home Science and strengthen teaching and evaluation, at UG and PG level. (Report in Pg- 51)

### **Action Plan**

On-going 4 year degree curriculum was further strengthened and it is being implemented to students from 2009-10 admitted batch.

Revision of UG courses was proposed by the faculty to V Dean's committee held at GBPAUT for B.Sc (Hons) 4year degree with 2+2 option and 3+1 option. Apart from these new UG degree programmes were proposed by three different departments.

The new 4 year degree programmes proposed are

1. Food Science and Technology
2. Fashion Design
3. Interior Design

PG degree course contents and guidelines for implementing the programme is revised with the approval of PG Dean and implemented by all the departments.

## **Objective 3**

To support the Government in training personnel and in implementation and evaluation of Home Science programmes. (Report in Pg- 52-60)

### **Action Plan**

Assessing and developing the training needs of the line departments (Women's Development & Child Welfare; Social & Tribal Welfare, Panchayat Raj & Rural Development, Food & Civil supplies, Consumer Affairs, Commissionerate of food and Agriculture ) through meetings and group discussions. Home Science information through mass media (TV, Radio and Press) for awareness creation.

## **Objective 4 (Report in Pg -61-71)**

To disseminate Home Science information to personnel of different sectors.

### **Action Plan**

- Two half yearly news letters will be coming up on latest topics which will be prepared by the staff of College of Home Science in their specialized areas. This information is shared with all the line departments and SAU's.

- CAFT-H.Sc Web page is updated time to time to disseminate new and arising events and outcome of the training events

### **III. EXPECTED OUTCOME BY THE END OF THE PLAN PERIOD**

- Providing common resource material for teaching and evaluation of Home Science programmes at PG level.
- Faculty improvement in terms of teaching, research and extension.
- Strengthening Under-graduate & Post Graduate Education and Research in all disciplines of Home Science in other State Agricultural Universities.
- Building linkages with Government and NGO's & International organizations for strengthening Home Science Education

**ACTIVITIES CARRIED OUT UNDER THE  
CENTRE OF ADVANCED FACULTY TRAINING – HOME SCIENCE**

**From April 2014 to March 2015**

**INFRASTRUCTURE FACILITIES**

**I. Staff Recruitment**

The posts of Steno-cum-typist and Projector Operator have been filled with the two temporary persons are being continued under the ICAR plan during the IX Five Year Plan and the X Five Year Plan vide F. No. 1(18)/95/CAS/HRD-II, dt. 17-09-1999 and 02-07-2001 of the ICAR.

<b>Name with Designation</b>	<b>Date of Joining</b>	<b>Date of leaving</b>
Research Associate* @ Rs.18,500/- Consolidated - Ms. D. Krishna Priya	01.07.2014	15.11.2014
Research Associate* @ Rs.18,500/- Consolidated –Mrs Bhavani M Paragi	01.12.2014	26.3.2015
Computer Operator @ Rs 8500/- consolidated Mrs.Sunitha	01.04.2014	31.3.2015
Attender @Rs 6500/- Consolidated Mr.Laxman	01.04.2014	31.3.2015

\* Employed to assist Director to create documents for dissemination of CAFT information and for developing CAFT – H.Sc News letter, Web portal and to help in smooth conduct of the training program.

**II. Civil Works :**

The CAFT – H.Sc center has the following facilities.

Seminar hall/Lecture hall  
Conference room  
Computer room  
Library room  
Office room  
Class rooms  
Store room  
Equipment room/Laboratory  
Museum Hall  
Educational Technology Cell (ETC)



**III. Books Purchased:**

<b>Sl.No</b>	<b>Books</b>	<b>Quantity</b>
1	Mass Media and Journalism	1
2	Fundamentals of Extension Education and Management	1
3	Scientific Writing	1
4	Educational technology	1
5	Essentials of Ergonomics	1
6	Hotel Housekeeping management & operations	1
7	The Comprehensive guide for selecting interior	1
8	The text book of interior decoration	1
9	Consumer rights and awareness	1
10	Extension education and management	1
11	Hotel housekeeping 2/ED	1
12	Research design 3/ED	2
13	Recent trends in food processing: the global scenario	1
14	Visual communication & photo Journalism	1
15	Food chemistry & nutrition: A comp treatise-HB	1
16	Functional foods and nutrition	1
17	A hand book for food techno's : A Poshadri	1
18	Flowers for trade	1
19	Education and communication for development 2/ED	1
20	The interior designer's guide to pricing, estimate	1
21	Research methodology and Quantitative methods	2
22	Statistics for agricultural science 2 <sup>nd</sup> ED	2
23	Food chemistry and nutrition	1
24	Monk who sold his Ferrari	1
25	Vogel's TB. Of quantitative chemical analysis, 6/ED	1
26	Advertising: principles and practice 7/ED	1
27	A textbook of interior decoration	1
28	IGBC-Green homes	1
29	Green construction and design	1
30	Beginner's guide to journalism & mass communication	1
31	Creativity-ceiling design	1

## **IV. ACADEMIC ACTIVITIES**

### **OBJECTIVE I**

#### **A. Short courses (21 days training)**

To serve as a National resource and training centre for faculty in the discipline of Home Science by conducting summer institutes, short courses and training programmes.

The Centre of Advanced Faculty Training in Home Science, Professor Jayashankar Telangana State Agricultural University (Formerly part of ANGRAU), Hyderabad has been functioning as a resource and training centre for the Home Science for State Agricultural Universities since 2010 after serving as resource center in Nutrition for 15 years i.e from 1995-2010. Organizing advanced training programmes (21 days duration) is one of four major objective of this centre and till 2014 it had organized 25 training programmes. During the reporting year i.e., 2014-15, 26<sup>th</sup> and 27<sup>th</sup> training programmes were conducted viz., 26<sup>th</sup> training programme entitled “Home Science Knowledge Management (KM) -Innovative Processes and Tools” from 3<sup>rd</sup> to 23<sup>rd</sup> September, 2014 , with Course Director Dr.A.Mary Swarnalatha and Course Coordinators- Dr.P.Amala Kumari and Dr.M.S.Chaitanya Kumari conducted at College of Home Science, Saifabad, Hyderabad. And 27<sup>th</sup> training programme entitled “Advances in Food Processing Technologies for Value Addition and Enterprise Development” from 21<sup>st</sup> January to 10<sup>th</sup> February 2015 with Course Director Dr. K Uma maheswari and Course Coordinators- Dr. K.Aparna and Dr. Jessie Suneetha conducted at Centre of Advanced Faculty Training in Home Science, PGRC, Rajendranagar. For both the training programmes reports were submitted to ICAR. However brief report of both the training programmes are as follows.

**CENTER FOR ADVANCED FACULTY TRAINING IN HOME  
SCIENCE**

**XXVI TRAINING PROGRAMME ON**

***“Home Science Knowledge Management (KM) -Innovative Processes  
and Tools”***

***From 3rd to 23rd September, 2014***

**Training Report**



***Organized by***

***Dr. Mahalakshmi V.Reddy  
CAFT –H.Sc Director***

***Dr.A.Mary Swarnalatha  
Course Director***

***Dr.P.Amala Kumari  
Dr.M.S.Chaitanya Kumari,  
Co Coordinators***



***Center for Advanced Faculty Training in Home Science  
Professor Jayashankar Telangana State Agricultural University  
Post Graduate and Research Center,  
PJ TSAU, Rajendranagar, Hyderabad***

**LIST OF PARTICIPANTS**

<b>S.No</b>	<b>Name of the Participant</b>	<b>University</b>	<b>Mobile number &amp; Email ID</b>
1	Dr. Kavita Dalmia, SMS (HOME SCIENCE)	Bihar Agricultural University, Sabour, Bhagalpur	09431805020, 08292571663 kavita.dalmia26@gmail.com
2	Ms. Poli Saikia, SMS (HOME SCIENCE)	Central Research Institute for Jute and Allied Fibres, West Bengal	08436099633 saikiapoli7@gmail.com
3	Mrs. Nilima Vinod Assistant Professor, H.Sc Extension	KVK, Yavatmal	09422939027 pckvkytl@yahoo.co.in
4	Dr. Jiju Navinchandra Vyas, Associate Professor	Polytechnic in H.Sc. Junagadh Agricultural university, Keriya Road, Gujarat	09429000505 vyasjiju@yahoo.com
5	Dr. Sunitha Kumari, SMS (HOME SCIENCE)	Bihar Agricultural University, Sabour, Bhagalpur	09471494234 pckvkaurangabad@gmail.com
6	Dr. Veena Bhalerao Asst. Professor	College of Home Science, VNMKV, Parbhani	09420885965 veeved@rediffmail.com
7	Mrs. S.L.Kameshwari Assistant Professor	College of Home Science, Hyderabad, ANGRAU	09490797922 kammu_14@yahoo.co.uk
8	Dr. P. Amala Kumari, Professor	College of Home Science, Hyderabad, ANGRAU	9492927422 amala_puthota@yahoo.com
9	Dr. M.S. Chaitanya Kumari, Associate Professor	College of Home Science, Hyderabad, ANGRAU	08331024686 chaitanya.benarji@gmail.com
10	Dr. M.Prasuna, APRO	ANGRAU	08096495161 prasuna.nanne@gmail.com
11	Mrs.E.Shirin Hima Bindu, Junior Scientist	DST project, Dept. of RMCS, Hyderabad	(M)- 7893870035 shirincalla@gmail.com
12	Mrs. G. Swarupa Teaching Associate	College of Home Science, Hyderabad, ANGRAU	09849405484 swarupa6@gmail.com
13	Mrs. S. Dhana Lakshmi Research Associate	College of Home Science, Hyderabad, ANGRAU	7328310743 sunkaridhana@gmail.com
14	Mrs. Lulu Laurent Lufenge Teaching Associate	College of Home Science, Hyderabad, ANGRAU	(M)- 8897124437 lufengec@yahoo.com
15	Ms.K. Pushpalatha Teaching Associate	College of Home Science, Hyderabad, ANGRAU	(M)- 8985037687 pushuu.latha97@gmail.com
16	Mrs. M. Sireesha Teaching Associate	College of Home Science, Hyderabad, ANGRAU	(M)- 7396369166 siri.manyam1819@gmail.com



***CAT- HOME SCIENCE: 21 DAYS TRAINING ORGANIZERS AND PARTICIPANTS***

**DAILY SCHEDULE**

<b>Date &amp; Day</b>	<b>Time</b>	<b>Topic of Lecture/ Practical</b>	<b>Name of Speaker</b>
03-09-14 Wed	10.00-1.00	Registration & Ice Break session	Dr. Mahalakshmi V Reddy, CAFT Director
		Pre-Evaluation of Training	
		Orientation to CAFT	
		Orientation to the Course	
	2.00-2.30	Interaction with participants	Training team
	2.30 -4.00	Inauguration of the Training & Keynote Address	Dr.Anurag Chaturvedi Dean of Home Science & Dr.V.P.Sharma Director, Manage
4.00-5.00	Over view on Home Science dissemination systems and the need for knowledge management	Dr. A. Mary Swarnalatha, Course Director	
04-09-14 Thurs	9.30-11.00	Sources of Home Science knowledge – Interaction session	Dr. K. Bhagya Lakshmi Asst. Professor, EEI
	11.30-1.00	Resources for knowledge management in agriculture and allied sectors for KM	Prof, Dr. P. Krishna Reddy, ICT for Agriculture and Rural Development, IIIT Hyderabad
	2.00-3.30	Concept of knowledge management	Prof. Dr. B. Rajashekhar School of Management Studies HCU, Hyderabad
	3.30-5.00	Department wise identification and presentation of Home Science knowledge sources	Training team
05-09-14 Fri	9.30-11.00	Knowledge management - Global Scenario	Dr. Dileep Kumar, Global Leader, Knowledge Managt and Sharing (KMS), ICRISAT,Patanchervu, Hyd.
	11.30-1.00	Social media for knowledge management	Dr. M. S. Chaitanya Kumari, Assoc. Prof. CHSc Hyderabad
	2.00-3.30	Knowledge dissemination tools -	Mrs.K.Priya, Free lance Blog writer, Hyderabad
	3.30-5.00	Hands on experience with social networking - Blog, twitter	Mrs.K.Priya, Free lance Blog writer, Hyderabad
06-09-14 Sat	9.30-11.00	Knowledge management processes	Dr. Shaik N. Meera, Principal Scientist, DRR, Hyderabad
	11.30-1.00	Knowledge management processes	Dr. Shaik N. Meera, Principal Scientist, DRR, Hyderabad
	2.00-3.30	Visit to knowledge management cell on rice (DRR) & Hands on experience with Rice Knowledge Management Portal	Dr. S. Arun Kumar Scientist, Extension, DRR

	3.30-5.00	Visit to knowledge management cell on rice (DRR) & Hands on experience with Rice Knowledge Management Portal	Dr. S. Arun Kumar Scientist, Extension, DRR
07-09-14	Sunday		
08-09-14 Mon	9.30-1.00	Application of KM in Home Science-Brain storming & Group discussion -Compilation of views	Training team
	2.00-5.00	KM in Home Science - presentation	Training team
09-09-14 Tues	9.30-11.00	Scientific writing skills	Dr.Sontakki, Principial Scientist, NAARM
	11.30-1.00	Content writing	Ms. S.A. Deepti, Content writing, Freelance Consultant & Information Developer
	2.00-3.30	Role of knowledge management in private organisations	Mrs. Deepanwita, CEO IKP Knowledge Park, Genome valley
	3.30-5.00	Screening of www. Vigyanasaadhitha.com -portal developed by Dept. of HECM under RKVY project in Telugu and discussion	Dr. P. Amala Kumari, Professor, Dept. of HECM,CHSc, Hyderabad
10-09-14 Wed	9.30-11.00	Knowledge management tools- Creation & Capturing	Mr. J. Dayanand Rao Networking Professional TNS, Hyderabad
	11.30-1.00	Knowledge management tools for sharing	Mr. Vinith, Software Professional Unisoft Ltd, Begumpet, Hyderabad
	2.00-5.00	Exposure to knowledge Sharing tools – Webpage & web interface creation	Mr. David Raju KM Expert, Raise Click, Begumpet, Hyderabad
11-09-14 Thurs	9.30-11.00	Social networking for Home Science professionals	Dr. Jamuna Rani Professor, EEI
	11.30-1.00	Hands on experience on knowledge creation & capturing – Webpage & web interface creation	Mr. Vinith Software Professional Unisoft Ltd Begumpet, Hyderabad
	2.00-5.00	Hands on experience on knowledge sharing – Webpage & web interface creation	Training team
12-09-14 Fri	9.30-11.00	Knowledge management - Innovative systems in extension	Dr. Rasheed Suleman, Director CRISP, Hyderabad
	11.30-1.00	Knowledge repository in Animal Husbandry	Dr.Thammi Raju, Senior Scientist, NAARM
	2.00-3.30	Cybercafé for knowledge management	Dr. Veeranjanyulu- Chief Librarian – ANGRAU
	3.30-5.00	Student academic repository of C.H.Sc.- Presentation & discussion	Dr. P. Amala Kumari Professor, C.H.Sc., Hyderabad

13-09-14 Sat	9.30-1.00	Learning management systems for education	Dr.G.R.K.Murthy Senior Scientist, NAARM
	2.00-5.00	Practical exercise on moodle/ Zoomla	Dr.G.R.K.Murthy Senior Scientist, NAARM
14-09-14	Sunday		
15-09-14 Mon	9.30-1.00	Pedagogy training	Sri. Indrajeet Mittal, Master Trainer & Dr Mahalakshmi V Reddy, CAFT Director
	2.00-5.00	Pedagogy training	Sri. Indrajeet Mittal,
16-09-14 Tues	9.30-1.00	Pedagogy training	Sri. Indrajeet Mittal
	2.00-5.00	Pedagogy training	Sri. Indrajeet Mittal
17-09-14 Wed	9.30-1.00	Visit to FM radio, DDS,Zaheerabad, Medak (dist)	Mrs. Narasamma, Community Coordinator, DDS,Zaheerabad
	2.00-5.00	Role of community radio in knowledge management	Mrs. Narasamma, Community Coordinator, DDS,Zaheerabad
18-09-14 Thurs	9.30- 11.00	Concept, purpose and features of knowledge repository	Ms. Mariette, Senior Scientist, MS Swaminathan Foundation, Chennai
	11.30- 1.00	KM experiences- Grameena Gyan Abhiyan	Ms. Mariette, Senior Scientist, MS Swaminathan Foundation, Chennai
	2.00-3.30	ICTs for empowering farm women	Dr.Sandhya Shenoy, Principal Scientist, NAARM
	3.30-5.00	Hands on experience on knowledge sharing – Webpage & web interface creation	Training team
19-09-14 Fri	9.30- 11.00	Digital video based knowledge management	Mr. Pritham K. Nanda, Regional Manager Digital Green, Hyderabad
	11.30- 1.00	Hands on experience on knowledge sharing – Webpage & web interface creation	Training team
	2.00-3.30	Hands on experience on knowledge sharing – Webpage & web interface creation	Training team
	3.30-5.00	Hands on experience on knowledge sharing – Webpage & web interface creation	Training team
20-09-14 Sat	9.30- 11.00	Institutional repositories – creative commons	Dr. Muttu Madhan, Manager, Library & Information Services, ICRISAT
	11.30- 1.00	Achieving Millennium Development Goals- Role of Knowledge management Screening of <a href="http://www.vikaspedia.com">www.vikaspedia.com</a> a knowledge web portal developed by CDAC, Hyderabad	Dr. Kathiresan, Principal Technical Officer, CDAC, Hyderabad



	2.00-3.30	Legal and intellectual property issues in knowledge repository	Dr.N.Srilakshmi, Head IP Facilitation Centre NIMSME
	3.30-5.00	Preparation of individual knowledge management initiatives	Training team
21-09-14 Sun			
	9.30-11.00	Preparation of individual knowledge management initiatives	Training team
22-09-14 Mon	11.30-1.00	Accessing library repositories of SAUs	Mr. Moorthy, Computer Porgrammer, ANGRAU
	2.00-5.00	Presentation of individual knowledge management initiatives	Dr. Shaik N Meera, Principal Scientist, DRR & Training team
23-09-14 Tues	9.30-1.00	Presentation of individual knowledge management initiatives	Dr. Shaik N Meera, Principal Scientist, DRR & Training team
	2.00-5.00	Valedictory function	

## ***EXECUTIVE SUMMARY***

***By Dr. A. Mary Swarnalatha, Course Director***

Knowledge is part of the hierarchy made up of data, information and knowledge. Data are raw facts. Information is data with context and perspective. In order to comprehend knowledge management, it is necessary to first understand the concept of knowledge. Knowledge is information with guidance for action based upon insight and experience.

The most established paradigm is that knowledge is power. Therefore, one has to store it, keep it to oneself to maintain an advantage. The common attitude of most people is to hold on to one's knowledge since it is what makes him or her asset to the organization. Today, knowledge is still considered power, but the understanding has changed. The new paradigm is that within the organization knowledge must be shared in order for it to grow. The organization that shares knowledge among its management and staff grows stronger and becomes more competitive. This is the core of knowledge management- the sharing of knowledge. Knowledge can refer to a theoretical or practical understanding of a subject. It can be implicit or explicit.

Knowledge management is relatively new discipline and therefore has a short history. As a conscious discipline, it developed from the various published work of academics and pioneers such as Peter Drucker in the 1970s, Karl-Erik Sveiby in the late 1980s, and Nonaka and Takeuchi in the 1990s.

A complete knowledge management system must contain four elements. These are: (a) Knowledge creation and capture, (b) Knowledge sharing and enrichment, (c) information storage and retrieval and (d) Knowledge dissemination. It is based on three pillars., Those are people, process and technology.

Knowledge management is based on the idea that an organization's most valuable resources is the knowledge of its people. Therefore, the extent to which an organization performs well, will depend, among other things, on how effectively its people can create new knowledge, share knowledge and use d to create that knowledge to best effect. Knowledge management is all about, to establish an environment in which people are encouraged to create, learn, share, and use knowledge together for the benefit of the organization, the people who work in it, and the organization's customers.

Why Home Science needs Knowledge management? Today more people are involved in providing consulting, advice, financial services, design, education, healthcare, and many other

services, than are involved in making physical goods. Within this service sectors the means of production is the knowledge stored in people's heads.

Home Science is a service oriented subject which provides education in value addition in areas of Nutrition, health and apparel. The knowledge in home science subjects facilitates both the rural and urban communities, especially women to lead a quality life. A lot of research has been done and many technologies were created but still to be shared by the people. With these all these reasons, knowledge management is essential in Home Science sector.

Knowledge stored in individual's mind is not of any intrinsic worth until it is applied to other knowledge, and to the external world to create services. It is the way knowledge is shared, flows and is created that is important not how much 'stored' knowledge there is. Just as some companies can achieve higher ROI (Return on Investment) than others, affective knowledge flow can enable greater returns from an organization's intangible assets. Now in many field like industry, healthcare, corporate world and agriculture created KM portals and are utilizing the knowledge for the benefit of the organization and its clientele.

With this background, this training programme entitled "Home Science Knowledge Management (KM)- Innovative Tools & Processes" was proposed as a 21 days training programme and got sanctioned. All the agriculture universities Vice- Chancellors, Deans of Home science and Directors of Extension, training coordinators of many 40 KVKs were sent the training brochure and nomination form by Post for deputation of at least two eligible faculty members for the training. Initially there was a lot of response from faculty members from all over India and they also sent advanced copy of the nomination form. University officials were further contacted by email and telephone for deputation of staff. A total of 12 faculty members from outside state viz., Jharkhand, Port Blair, Madhya Pradesh, Bihar, Gujarat, Tamil Nadu, West Bengal & Maharashtra confirmed participation apart from four faculty members from Andhra Pradesh. There were 6 outstation participants who dropped out in the last moment, due to official and personal reasons. Hence the training programme was offered to sixteen participants by accepting the nominations of local participants. Knowledge level of the participants regarding the training was taken-up through pre-evaluation, before the commencement of the training.

The training programme was inaugurated by Dr. V.P. Sharma, Director General, MANAGE, also the head of Information Technology, documentation and Publication division who is apt for the occasion. His lecture was informative and motivating. Almost 25 speakers

were called from International and National Institutes. The theoretical content covered is Concept of KM by Dr. Rajashekar, Professor, School of Management Studies, University of Hyderabad. Dr.K.Bhagyalakshmi from EEI, Hyderabad, educated participants with Sources of Home Science KM.

Dr. Shaik Meera, Principal Investigator, RKMP, and Dr. Arun Kumar, Scientist, DRR, Hyderabad discussed the process of KM and how to design and develop KM portal. Their experience in designing and developing RKMP was shared. The participants visited the knowledge management cell and had hands on experience with the portal.

Ms. K. Priya, Blog writer, Hyderabad explained Knowledge dissemination tools. She has given insights on creation of blogs through g mail, procedure of blog writing and different tools of knowledge dissemination. She enlightened about the different websites i.e., e.how, hub pages, blogger, bubisa etc. through which spreading of knowledge can be done.

Dr. Dileep Kumar, Principal Scientist/ Global leader- Knowledge Sharing and innovation, ICRISAT, delivered inspiring lecture on global scenario of knowledge management. He elucidated the ICT innovations and knowledge initiatives in agriculture by ICRISAT and the information and communication technology (ICT) innovations in linking research-extension-farmer-markets for agricultural and rural development.

Dr.Sontakki, Principal Scientist, NAARM, enlightened the participants with various scales of scientific writing. The different forms and elements of standard scientific writing and the rules to be followed were explained.

Ms. Deepthi, Content writer, IBM, explained e-content writing and content management. The dos and don'ts and the various forms of content were covered with examples.

Mr.J.Dayanad Rao, Net working Engineer, TNS explained "Knowledge management-Capturing and sharing tools like Microsoft share point tool Knowledge based software, word press, Knowledge based repository, data ware houses and he stressed the importance of the above tools in

Mrs. Deepanwitha Chatopadhyay, MD & CEO, IKP Knowledge Park, shared the activities of IKP Knowledge Park, which are R&D, Creation of incubation centers, partnerships with different organizations, knowledge about subsidies and policies, create a brand for IKP, leading Knowledge into marketing.

Dr. Rasheed Sulaiman, Director of research institution on policy research "CRISP" and international renounced person in policy research gave a lecture on knowledge management-Innovative systems in extension. "He discussed the problems, the ways to overcome the barriers,

in transmitting the knowledge in the organization and from organization to outside, mainly in Indian agriculture. He also shared his institutions experiences in knowledge management.

Knowledge Management in Animal Husbandry was dealt by Dr. Thammi Raju, Principal Scientist, NAARM, Hyderabad. He also shared his research experiences in Livestock management knowledge dissemination.

Dr. G.R.K. Murthy, Senior Scientist, NAARM exposed the participants to “E-learning and learning management for education”. He has given in sight into impact of e-learning and how technology should be used with responsibility. Dr. G.R.K. Murthy spoke on the topics: a) e-learning core elements which comprises of learning management system, instrumental courseware, interactive learning activity and evaluation, b) advantages of e-learning in education viz., better visualization, learning interactive, aid in “green learning”, save resources and time and improved quality of education, c) features on online learning which are student to student, student-tutor interaction, collaborative engagement and online asynchronous activities like blogs and discussion boards, d) temporal milestones of technology in education. Awareness was created on Massive Open Online Course(MOOC).

Pedagogy training was arranged for the participants for two days. The trainer of the programme was Sri. Inder Jeet Mittal, Consultant, who worked in the ministry of Earth Sciences.

A visit was arranged to the adopted villages of KVK, Deccan Development Society (DDS) an NGO is understand the role of community radio knowledge management. The mission of this NGO is biodiversity and sustainability of agriculture. The encounter with the rural women managing the community radio is overwhelming. It was run by only 4 women, not educated but full of self confidence. Dr. Pritham Nanda, Regional director of Digital Green, Hyderabad explained his organization`s way of sharing technology`s with The rural people in agriculture, livelihoods etc through videos. He promised to train the HECM students in video technology by using PICO video cameras and other related access

Dr. Katheresan, Principal technical officer, CDAC shared his experience in developing the knowledge portal in social development and agriculture: India development gateway and [www.vikaspedia.in](http://www.vikaspedia.in) eight local languages.

Dr. Srilakshmi, Head, IPR facilitation centre from NIMSME explained the different issues related to IPR, copy rights, GI etc., Dr. Anurag Chaturvedi, Associate Dean, C.H.Sc, Hyderabad discussed the points to write winning research projects. Dr. Rita Raghuvanshee Dean of C.H.Sc, G.B Panth Agricultural University, ICAR expert interacted with the participants and spoke on Home Science education-Perspectives and challenges.

**Practical content covered:**

- They prepared mind maps on home science knowledge management sources.
- All the participants created blogs and posted and published in the website as per their interest. Their blogs were viewed by 10-70 visitors.
- Mr. Vineet, Software professional, UNISOFT demonstrated the designing of templet using photo shop and a website using dream weaver. They have also prepared mock-ups. All the participants practiced the Photoshop and got acquainted with the designing of static content of the website. Participants had hands on experience on basic tools in photo shop and dream weaver software's to create web template designing. Participants had hands on experience on graphic editing of images to insert them in the web portal and for social media.
- They also participated advanced tools in editing and using html for web portal designing and code writing.
- Practiced OSS software media encoder for preparing the online tutorials. In addition, participants were appraised on the practical application for knowledge dissemination

**College web Portals:** [www.vigyanasadhitha.com](http://www.vigyanasadhitha.com) a knowledge portal developed by Dept. of HECM under RKVY project in telugu was explained by Dr. P.Amala Kumari, Principal Investigator, RKVY Project. It was an interactive session in which all the aspects of knowledge web portal designing and development was discussed with live examples in Home Science. This portal can be managed in Unicode with twenty different types of fonts. She also explained the other web sites developed:

**Message centre:** A website for collecting and sending data base messages. So far collected 1500 messages and 500 phone numbers of end users. Text and voice messages are sent every day- first a text message followed by 4 voice messages.

**[www.milletfest.in](http://www.milletfest.in):** This website is an initiative for nutritional security through intensive millet campaign where the information about the happenings and the messages to be conveyed to the mass audience was transmitted in the form of text, audio and video messages.

**Student respiratory:** Provides information about students of college of Home Science, Hyderabad. The purpose is to give information to the parents of the students about the academic performance pf their children and to help the parents to interact with the course teachers, advisors and any faculty with whom they want and to know the information connected to their child.

### **Evaluation of the Training:**

On the last day of the training, participants were provided with the post evaluation schedule, to assess the knowledge gained through the 21 days training on Knowledge management, sharing and designing websites. Clearly there was substantial difference in the test scores of the participants between the pre and post evaluation. Participant feedback on the training programme too was obtained and most sessions were rated as either excellent or very good and only two sessions were rated as Good. They also stated that the topics covered were very useful to all the participants. A few suggestions were offered such as a) more training on website designing, b) few more practical sessions on multimedia, c) training in sharing of knowledge in skills and software also.

### **Valedictory:**

The training programme was concluded with the valedictory function. The chief guest was Dr. V. Praveen Rao, Registrar & Special Officer, Prof. Jayashankar Telangana State Agricultural University. Dr. Anurag Chaturvedi, Associate Dean, College of Home Science, Hyderabad presided over the function. Dr. Mahalakshmi V. Reddy, CAFT Director welcomed the gathering. Dr.A. Mary Swarnalatha, Course Director gave a brief report on all the activities carried out during the training programme. Dr. V. Praveen Rao, Registrar & Special Officer launched the training course material and web portal on Students Academic Repository. Dr. Anurag Chaturvedi, Associate Dean, College of

Home Science, Hyderabad addressed the gathering about the importance of knowledge management in the field of Home Science. The chief guest gave a speech on why knowledge management is essential in agricultural universities. He focused on the participants stating that they are the ambassadors in their respective universities to promote this kind of trainings for transfer of knowledge. After the speech, certificates were distributed by the chief guest to all the participants.



***CAPT-H.Sc INAUGURAL FUNCTION***



***INTERACTIVE SESSIONS DURING THE CAPT -H SC TRAINING PROGRAMME***



***VISIT TO MILLET INCUBATION UNIT***

***CAPT-H SC VALEDICTORY FUNCTION***



## ***Report of Evaluation Schedules***

The training evaluation revealed there is tremendous increase in the knowledge level of the participants from pre to post evaluation and reported that the training gave adequate knowledge; skill and confidence to prepare the research project proposals and design web sites. Participants opinion on training was excellent for Contents and delivery mechanism, Skill training on developing Concept papers, Procedure for implementation of the project proposals, overall impression about the Resource Person, overall impression about the Training and overall impression about the supportive literature and Handout.

Over-all rating for the training was evaluated by 5-point scale. It was very good and good for overall impression about the class room logistics and Overall impression about the food & stay arrangements. The points highlighted by participants were

- The lectures given by eminent personalities had provided a clear knowledge regarding the subject matter.
- The workshop on team building was very refreshing and created a team spirit among the participants.
- Visit to different institutions and organizations gave us information on research input and areas for new research to start writing a winning project proposal
- Workshop has enlightened us about the appropriate steps to make project proposals
- To guide on writing a winning project proposal.
- To make a blog
- To design a website
- Preparation of project plan with complete details
- Making presentations for the projects

### **Course Evaluation schedule:**

Majority of the participants were well satisfied with the lectures given by different specialists from different Institutions where a clear cut view on designing the websites with winning project proposals was given. The participants had gained new knowledge on recent developments by the end of the training programme.

### **Suggestions for improvement of the training:**

- Appropriate period for conducting 21 days training – August to September in any Academic year

- Video documentation of lectures may be uploaded CAFT website would be good for many who are interested in learning about all the topics
- Need more training in website designing
- Generator provision would be necessary for uninterrupted power supply during the training

**Topics Proposed by Participants for future training:**

- Advances in post harvest technologies and processing
- Nano-technology and its application for product enhancement
- Value chain in product design and development
- Occupational health and safety in formal and informal sector
- Geriatric health issues and self sustenance
- Home Science technologies for livelihood & entrepreneurship development

**CENTER FOR ADVANCED FACULTY TRAINING IN HOME  
SCIENCE**

**XXVII TRAINING PROGRAMME ON**

***“Advances in Food Processing Technologies for Value Addition &  
Enterprise Development”***

***From 21<sup>st</sup> January to 10<sup>th</sup> February 2015***

***Training Report***



**ORGANISED BY**

***Dr. Mahalakshmi V. Reddy***  
***CAFT Director***

***Dr. K. Uma Maheswari***  
***Course Director***

***Co – Coordinators***

***Dr. K. Aparna***

***Dr. Jessei Suneetha W***



***Center for Advanced Faculty Training in Home Science***  
***Professor Jayashankar Telangana State Agricultural University***  
***Post Graduate and Research Center***  
***Rajendra Nagar, Hyderabad 500 030***

## LIST OF PARTICIPANTS

Sno	Name	Designation	Discipline	University
1	Mrs. Mayuri Bora	SMS	Home Science Extension, Krishi Vigyan Kendra, Nalbari	Assam Agricultural University (AAUJ), Jorhat
2	Mrs. Babita Sharma	SMS	Home Management/Family Resource Management, Krishi Vigyan Kendra, Kamrup Assam Agricultural University, Jorhat	Assam Agricultural University (AAUJ), Jorhat
3	Mr. Govind Pradip Tagalpallewar	Assistant Professor	Food Science & Technology, College of Food Processing Technology and Bio energy	Anand Agricultural University, Khetiwadi, Anand, gujarat
4	Mrs. Moloya Gogoi	SMS	Food & Nutrition, Krishi Vigyan Kendra Assam Agricultural University Gellaphukuri Road, Tinsukia Pin-786125, Assam	Assam Agricultural University (AAUJ), Jorhat
5	Dr. Suresh Chandra	Assistant Professor	Agricultural engineering and food technique	Sardar Vallabhbhai patel University of Agricultural and food technology, meerut.UP
6	Mrs. Roopa Bai R S	Assistant Professor	Agricultural Engineering	Dept. of Processing and Food Engineering. College of Agri. Engineering, Univ. of Agri. Sciences, Raichur ,karnataka- 584 102
7	Dr. Parveez Ahmad Para	Assistant Professor	Livestock Products Technology	Department of Livestock Products Technology Arwali Veterinary College,Sikar RAJUVAS- Rajasthan 332001
8	Dr Shubhangi Vijay Kumar Alexander	Assistant Professor	Agriculture Economics	College of Agriculture Godchiroli Maharastra
9	Dr. Arun Gurunath Kharate	Assistant Professor	Veterinary Public Health	veterinary public health and epidemiology veterinary college Bidar 585401 Karnataka
10	M Venkaeshwara Reddy	Assistant Professor	Department of Horticulture	College of Agriculture Rajendranagar Hyderabad, Telangana
11	Mrs. Janagam Indumathi	Assistant Professor	Livestock Products Technology	Department of livestock products technology, College of Veterinary Science, Tirupati,chittoor,AP

12	Mrs. Rashmi. H.B	Assistant Professor	Post harvest technologies	University of Horticulture, Bagalkot, Karnataka
13	Dr J Suresh	Scientist	Millets scheme	RARS Palem, Rajendra nagar, Hyderabad, Telangana
14	Dr. Triveni	Assistant Professor	Veterinary Extension	DE SVVU, Tirupati, AP
15	Dr. Sanjay Kumar Bharati	Assistant Professor	Livestock Products Technology	U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwa Vidhyalaya Evem Go Anusandhan Sansthan (DUVASU), Mathura
16	Mrs. M Padma	Assistant Professor	Food processing & Food Engineering	Agricultural college, Jagityala.Telangana
17	Mrs. K Lavanya	Assistant Professor	Processing and Engineering	College of Agricultural Engineering, Bapatla, AP
18	Mr. Viresh M Hiremath	Assistant Professor	Post harvest technologies	University of Horticulture Bagalkot, Karnataka
19	Dr. Lalita shukla	Assistant Professor	Home Science Extension	G.B. Pant University of Agriculture and Technology (GBPUAT), Pantnagar, UP
20	Mrs. Dipti Chintamani Patgaonkar	SMS	Child Development and Family relations	Vasant Rao Naik Marathawada krishi vidyapeeth Parbhani, Maharastra
21	Dr Anila kumari	Assistant Professor	Food & Nutrition	PGRC PJTSAU, Rajendra Nagar, Hyderabad, Telangana
22	Dr Sucharitha Devi	Assistant Professor	Food & Nutrition	PGRC PJTSAU, Rajendra Nagar, Hyderabad, Telangana
23	Mrs. Varsha Kashinath M	SMS	Home Science	Krishi Vigyan Kendra, Tuljapur, Maharastra

## SCHEDULE OF EVENTS

Date	Time	Topic	Name & designation of speaker / Institute
21/01/2015	9.30 to 10.45AM	Registration and Pre-evaluation	Course Coordinators
	11.00 to 12.15PM	Inauguration	<u>Key note Address:</u> <b>Mr. A. Satyanarayana</b> , Head, CFTRI Resource center, Habsiguda, Uppal Road, Hyderabad
	1.15 to 2.30PM	Pre evaluation	Course Coordinators
	2.45 to 3.30PM	Orientation	Course Director
	3.45to 4.30PM	Visit to PJTSAU Museum	Course Director
22/01/2015	9.30 to 10.45AM	Rice milling	<b>Dr. P. Nageswara Rao</b> , Professor & Head (Retd.), Institute of Agriculture Engineering & Technology, PJTSAU, Hyderabad.
	11.00 to 12.15PM	Grain processing for value addition and enterprise development	<b>Dr. Vijaya Khader</b> , Dean Faculty of Home Science (Rtd.), ANGRAU, Hyderabad
	1.15 to 2.30PM	Processing of Sorghum for Enterprise development	<b>Dr. V. Vimala</b> , Associate Dean & Professor & University Head (Rtd.), College of Home Science, Hyderabad
	2.45 to 4.00 PM	Funding Agencies for Project Proposals	<b>Dr. Raja Rama Reddy</b> , Consultant, Planning and Monitoring Cell, PJTSAU.
	4.00 to 5.00 PM	Visit to RKVY Sorghum processing and incubation centre	Course Director & Millet processing center In - charge
23/01/2015	10.30 to 11.30 AM	Entrepreneurial Opportunities in Food Processing	<b>Dr. Saikat Datta Mazumdar</b> , Chief-Operating Officer (COO), NutriPlus Knowledge Programme Agri-business and Innovation Platform (AIP), ICRISAT, Patancheru, Hyderabad
	1.15 to 4.00PM	Visit to ICRISAT	
24/01/2015	9.30 to 10.45AM	Functional foods & Nutraceuticals	<b>Dr. T. V. Hymavathi</b> , Professor, PGRC, PJTSAU, Rajendra Nagar, Hyderabad
	11.00 to 12.15PM	Role of Biotechnology in development of food processing enterprise	<b>Dr. K. Manorama</b> , Principal Scientist & Head, Quality Control Lab, PJTSAU, Rajendra Nagar, Hyderabad
	1.15 to 2.30PM	Role of food processing equipment for setting up small and medium entrepreneurship development	<b>Dr. K S M S. Raghava Rao</b> , Chief Scientist, Dept of Food Engineering, CFTRI, Mysore
	2.45 to	Technology transfer for	<b>Dr. K S M S. Raghava Rao</b> , Chief

	4.00PM	enterprise development	Scientist, Dept of Food Engineering, CFTRI, Mysore
25/01/2015	Sunday		
26/01/2015	Visit to Horticulture Expo 2015 and Sightseeing around the city		
27/01/2015	9.30 to 10.45AM	Introduction of Nano Science and Nanotechnology	<b>Dr. T N V K V. Prasad</b> , Senior Scientist, Nanotechnology Laboratory, Institute of Frontier Technology, RARS, Tirupati
	11.00 to 12.15PM	Application of nanotechnology to Food science and other sciences for development of enterprises	<b>Dr. T N V K V. Prasad</b> , Senior Scientist, Nanotechnology Laboratory, Institute of Frontier Technology, RARS, Tirupati
	1.15 to 2.30PM	Production, popularization and marketing of poultry and poultry products	<b>Dr. K. Balaswamy</b> , Advisor, National Egg Co-ordination Committee, Basheerbagh, Hyderabad
	2.45 to 4.00PM	Visit to QC Lab	<b>Dr. K. Manorama</b> , Principal Scientist & Head, Quality Control Lab, PJTSAU, Rajendra Nagar, Hyderabad
28/01/2015	9.30 to 10.45AM	Development of entrepreneur skills	<b>Dr. Mahalakshmi V. Reddy</b> , Professor & Head (RMCS) & Director (CAFT), CHSc, PJTSAU, Saifabad, Hyderabad
	11.00 to 12.15PM	Bakery processing technologies for development of an enterprise	<b>Dr. V. Vijaya Lakshmi</b> , Professor, CHSc, PJTSAU, Saifabad, Hyderabad
	12.15 to 1.30PM	Visit to Various Departments of College of Home Science, Saifabad.	<b>Course Coordinators</b>
	1.15 to 4.00PM	Recent advances in packaging for food processing business	<b>Mr. B K Karna, Director, Packaging Clinic &amp; Research Institute (PCRI), 114/1<sup>st</sup> Floor, Amrutha Ville, Opp. Yashoda Hospital, Raj Bhavan Road, Somajiguda, Hyderabad</b>
	4.30 to 5.30PM	Visit to Packaging Clinic & Research Institute (PCRI)	Course Director
29/01/2015	9.30 to 10.45AM	Post harvest processing of fruits and vegetables for value addition	<b>Dr. J. Dilip Babu</b> , Director of Research, Dr. Y. S. R. Horticultural University, Post Box #7, Venkataramanna Gudem, WG district
	11.00 to 12.15PM	Advances in spices processing technologies	<b>Mr. A. Poshadri</b> , Assistant Professor (Food Technology), College of Agricultural Engineering, PJTSAU, Sanga Reddy
	1.15 to 4.00PM	Utilization of underutilized foods for value addition	<b>Dr. K. Uma Maheswari</b> , Professor & University Head (Foods & Nutrition) & Programme Director (Food Technology) Post Graduate & Research Centre, PJTSAU, Hyderabad

30/01/2015	9.30 to 10.45AM	Value added fermented and non fermented Nutri beverages for food trading	<b>Dr. Kavita Waghray</b> , Professor & Head, Department of Food technology, Osmania University, Hyderabad
	11.00 to 12.30PM	Advances in Pro-biotic and Pro-biotic supplements as food industries	<b>Dr. K. Kondal Reddy</b> , Associate Dean, College of Veterinary Sciences, Rajendra Nagar, Hyderabad
	1.15 to 2.30PM	Promotion of cultivation of Millets through Value Chain Management	<b>Dr. B. Dayakar Rao</b> Principal Scientist Agriculture Economics Directorate of Sorghum Research <b>Rajendra Nagar, Hyderabad</b>
	2.30 to 3.30PM	Visit to Millet Processing Unit at DSR, Rajendra Nagar, Hyderabad	<b>Dr. B. Dayakar Rao</b> Principal Scientist Agriculture Economics Directorate of Sorghum Research <b>Rajendra Nagar, Hyderabad</b>
	4.30 to 6.00PM	Innovative solar processing technologies for income generation	<b>Prof. M. Ramakrishna Rao</b> , Founder and Director of the Society for Energy, Environment and Development.
31/01/2015	9.30 to 10.45AM	Phytosterols as functional ingredient for development of value added food products.	<b>Dr.K.Aparna</b> , Assistant Professor, Department of Foods and Nutrition, PGRC, PJTSAU, Hyderabad.
	11.00 to 12.15PM	Diversified uses of oilseed crops	<b>Dr. H. Basappa</b> , Principal Scientist (Entomology), Agricultural Research Service. Directorate of Oilseeds Research, (ICAR), Rajendra Nagar, Hyderabad.
	1.15 to 4.00PM	Visit to AP Dairy Development Corporation Hyderabad.(APDDC)	<b>Course Coordinator</b>
01/02/2015	Sunday		
02/02/2015	9.30 to 10.45AM	Food safety evaluation of raw and processes foods for marketing	<b>Dr. V. Sudershan Rao</b> , Scientist D, Food & Drug Toxicological Research Centre, National Institute of Nutrition, ICMR, Hyderabad
	11.00 to 12.15 PM	Advances in management of live stock feed for improvement in yield and quality of live stock products (meat , poultry and eggs)	<b>Dr. R. Prasanna Kumar</b> , Associate Professor & Head, Dept. of Live Stock Product Management, College of Veterinary Sciences, Korutla, Kareem Nagar District
	12.15 to 1.30PM	Support of banks and their schemes for establishment of food enterprises	<b>Dr. R. Koteswara Rao</b> , Adjunct Faculty and consultant, NIRD, Rajendra Nagar, Hyderabad
	2.30 to 5.00PM	Visit to M/s VSR Foods Private Limited, Hyderabad	<b>Mr. Raghu Pujari</b> Entrepreneur, Bottom of Form, 8- 2-108/5, G.N Reddy Godown, Opp. Central Grammar High School,



			Hastinapuram, Hyderabad
03/02/2015	9.30 to 10.45AM	By-Product Utilization from Food Processing Industry	<b>Dr. K .Uma Maheswari</b> , Professor and University Head, Department of Foods and Nutrition, PGRC, PJTSAU, Hyderabad.
	11.00 to 12.15PM	Advances in post harvest management of food grains	<b>Dr. M.V.Naidu</b> , Director, Seed Research & Technology Centre.
	1.15 to 2.30PM	Introduction to fish processing technologies	<b>Dr. Paul Pandian</b> , Executive Director, National Fish Development Board, Ameerpet, Hyderabad
	2.45 to 4.00PM	Development of value added fish products using advance in fish processing for enterprise development	<b>Dr. Paul Pandian</b> , Executive Director, National Fish Development Board, Ameerpet, Hyderabad
04/02/2015	9.30 to 10.45AM	Chocolate Making	<b>Dr. W. Jessie Suneetha</b> , Assistant Professor, Department of Foods and Nutrition, PGRC, PJTSAU, Hyderabad.
	11.00 to 12.15 PM	Food processing for export Marketing	<b>Dr. T.Sudhkar</b> , Regional In-charge, Agricultural and Processed Food Products Export Development Authority (APEDA), 8th Floor, Chandra Vihar Building, M. J. Road, Hyderabad
	1.15 to 4.00 PM	e-Resources in Agriculture and allied sciences	<b>Dr. K. Veeranjanyulu</b> , University Librarian, PJTSAU, Rajendra Nagar, Hyderabad
	4.00 to 6.00PM	Visit to National Fish Development Board	<b>Course Coordinator</b>
05/02/2015	9.30 to 10.15AM	Feasibility analysis of value added production enterprises	<b>Dr. Seema Nath</b> , Professor & Head, SABM, PJTSAU, Rajendra Nagar, Hyderabad
	11.30 to 1.15PM	CFTRI Regional Centre – Recent advances in Food processing technologies developed by CFTRI- Field visit.	<b>Sri. A. Satyanarayana</b> , Head, CFTRI Resource Centre, Near NGRI Campus, Habsiguda, Uppal Road, Hyderabad
	2.30 to 4.00PM	Processing meat and meat products for value addition – NRC, Changicharla	<b>Director</b> , National Research Center on Meat, Chengicherla, PB No. – 19, Boduppall post, Hyderabad
	4.30 to 5.30PM	The State of art of IQF Technology for production, procurement processing and marketing of baby corn , fruits and vegetables- Visit to VH Agro Foods Private Limited, Uppal, Hyderabad	<b>Dr. V K V. Prasad</b> , Managing Director, V H Agro Foods Private Limited, B-9/11,IDA,Hyderabad

06/02/2015	9.30 to 12.15PM	Writing a winning grant proposals for projects to establish a new enterprise	<b>Dr. Usha Dixit</b> , Scientist D, National Information Center, Department of Science & Technology, New Delhi
	1.15 to 2.30PM	Extrusion technology for value addition and enterprise development	<b>Mr. B. Srinivasan</b> , Scientist (Rtd.), CFTRI, Hyderabad
	2.45 to 4.00PM	Novel proteins for value addition and enterprise development	<b>Dr. Jessy Abraham</b> , Assistant Professor, AIIMS, Raipur, Chattisgarh
07/02/2015	9.30 to 4.00PM	Pedagogy Training	<b>Dr. M S. Chaitanya</b> , Associate Professor, CHSc, PJTSAU, Saifabad, Hyderabad & <b>Dr. Bhagya Lakshmi</b> , Assistant Professor, EEI, PJTSAU, Rajendra Nagar, Hyderabad
08/02/2015	Sunday		
09/02/2015	9.30 to 10:45 AM	Processing of poultry and eggs for value addition and enterprise development	<b>Dr.M.Sathyavani</b> , Assistant Professor, Department of Livestock Product Technology, College of Veterinary Sciences, Korutla, Kareem Nagar district.
	11.00 to 12.15PM	Post-Evaluation	
	3.00 to 4.00 PM	Valedictory	
10/02/2015	9.30 to 3.00 PM	Project Proposals	Presentation by participants
	3.30 to 5.00PM	Wrap Up Session	CAFT Director and Staff Course Director and Coordinators



**CAFT- HOME SCIENCE: 21 DAYS TRAINING ORGANIZERS AND PARTICIPANTS**

## **EXECUTIVE SUMMARY**

*By*

*Dr. K Uma Maheswari, Course Director*

Food processing is the transformation of raw ingredients into food, or of food into other forms. Food processing typically takes clean, harvested crops or butchered animal products and uses these to produce attractive, marketable and often long shelf-life food products. The processed food industry is divided into the following broad segments:

- Primary processed food - which includes products such as fruits and vegetables, packed milk, unbranded edible oil, milled rice, flour, tea, coffee, pulses, spices, and salt, sold in packed or non-packed forms.
- Value-added processed food - which includes products such as processed fruits and vegetables, juices, jams, pickles, squashes, processed grain products like biscuits, pasta, noodles; processed dairy products (ghee, paneer, cheese, and butter), processed poultry, and processed marine products, confectionary, chocolates, and alcoholic beverages.

Across the world, food-processing is considered to be a sunrise sector because of its large potential for growth and socio economic impact. It not only leads to income generation but also helps in reduction of wastage, value addition, and foreign exchange earnings and enhancing manufacturing competitiveness. In today's global market, quality and food safety have become competitive edge for the enterprises producing foods and providing services. "With proper investment in food processing, technical innovation and infrastructure for agriculture sector, India could well become the food basket of the world". The existing level of processing and the extent of value addition are very low as compared to other developing countries.

In India the food processing industry is ranked fifth in terms of production, consumption, export and expected growth. A strong and dynamic food processing sector plays a significant role in diversification of agricultural activities, improving value addition opportunities and creating surplus for export of agro-food products. Food processing accounts for about 14% of manufacturing GDP, i.e. Rs. 2,80,000 crore, and employs about 13 million people directly and 35 million people indirectly. Its employment intensity can be seen by the fact that for every Rs.1million invested, 18 direct jobs and 64 indirect jobs are created in organized food processing industry only.

It is widely accepted that the food processing sector is the most appropriate sector for creating jobs for rural poor, and thus reduce the burden on agricultural sector for creation of their

livelihood. This is due to their familiarity with the agricultural sector which would make it easier to train and place them in food processing enterprises. The multiplier effect of investment in food processing industry on employment generation is also higher than any other sector. Therefore, for the overall progress of economy it is important that the farmers and backward communities working in rural food-processing units are treated at the top of the growth process. Rapid and sustained poverty reduction requires economic growth which is inclusive and the one that allows people to contribute to and benefit from it.

In India, the food processing industry is highly fragmented and is dominated by the unorganized sector. A number of players in this industry are small. About 42% of the output comes from the unorganized sector, 25% from the organized sector and the rest from small players. Though the unorganized segment varies across categories but approximately 75% of the market is still in this segment. The organized sector is relatively bigger in the secondary processing segment than the primary processing segment. Increasing urbanization, consciousness on health and nutrition and changing lifestyle are changing the consumption habits of India. The number of working women, single students/professionals and nuclear families are creating demand for processed ready-to-eat foods. Growth of organized retail, which makes the processed food readily available, is also driving growth of food processing.

India is a country of over 1.21 billion consumers; 300 million upper and middle-class consume processed food. There is a large untapped domestic market of 1,000 million consumers in the food processing sector and 300 million more consumers are expected to shift to processed food by 2012. It is the second-largest producer of fruits and vegetables in the world. Further, India has tremendous potential to unleash large-scale process-based farm activities to exploit the emerging global business opportunities. This has resulted in the development of the food processing industry.

The food processing sector in the country with its vast potential has emerged as one of the major drivers of economic growth. It is encouraging to note that Economic Outlook has pegged GDP growth rate for 2011-12 at 8.2% in spite of the EU crisis and other issues being faced. The food processing industry in India is growing at 14% annum. While consumption of food gives material pleasure and a healthy life, contaminated food can be dangerous to health. Therefore, quality of food is very important. Even from the producers' point of view, selling high quality food can be viewed as a competitive strategy to overcome competition. With the recent agreement on Sanitary and Phytosanitary (SPS) measures, World Trade Organization (WTO) has

made it mandatory for all member states to follow international food standards guidelines in the sphere of foreign trade. An important element of these guidelines is the compliance with Hazard Analysis and Critical Control Points (HACCP), a management system for food safety. Indian firms will have to adopt these guidelines; else they will have to face nontrade-barriers in the export market.

With this background, this training program entitled “Advances in Food processing technologies for Value addition and enterprises Development” was proposed as a 21 days training program and got sanctioned. All the agriculture universities Vice- Chancellors, Deans of Home science and Directors of Foods and Nutrition, training coordinators of at least 40 KVKs were sent the training brochure and nomination form by Post for deputation of at least two eligible faculty members for the training. Initially there was a lot of response from faculty members from all over India and they also sent advanced copy of the nomination form. University officials were further contacted by email and telephone for deputation of staff. There were 3 outstation participants who dropped out in the last moment, due to official and personal reasons. Hence the training program was offered to twenty three participants by accepting the nominations. Knowledge level of the participants regarding the training was taken-up through pre-evaluation, before the commencement of the training.

The program was inaugurated at Committee Hall, Central Library, PJTSAU, Hyderabad. The Chief Guest, Dr. A.Satyanaraya, Scientist F and Head CFTRI, Resource Center, Hyderabad, The Special Officer and Registrar Dr.V.Praveen Rao, Dr. Anurag Chaturvedi, Dean i/c and Associate Dean of Home Science, Dr. Mahalakshmi V. Reddy, CAFT Director, Dr. K. Uma Maheswari, Course Director were on the Dias. The chief guest of the function, Dr.A.Satyanaraya, delivered the keynote address. In his address he stressed the need and importance of processing of different foods using Novel Technologies for Value addition and Enterprise Development. The participants were enlightened with the speech.

Dr. P. Nageswara Rao, Professor & Head (Rtd), Institute of Agriculture Engineering & Technology, PJTSAU, Hyderabad explained about the rice milling, the methods, types and new advances in rice milling methods and how the new methods are useful for the improvement of productivity of the rice.

Dr. Vijaya Khader, Dean (Rtd), Faculty of Home Science, ANGRAU, Hyderabad, gave a lecture on grain processing as a value added product for enterprise development. She explained about the production of grains like cereals, millets, legumes, nuts and oil seeds. The need and

importance of grain processing and the major challenges faced by food processing industries in India were also explained.

Dr. Rajarami Reddy, Liaison officer, Professor Jayashankar Telangana State Agricultural University, Hyderabad gave a lecture on finding Avenues for Research. The lecture focused on support including financial support for research by different Government, non government institutes, NGO's and other institutions.

Professor Vimala, Associate Dean (Rtd), College of Home Science, ANGRAU, Hyderabad, explained about the processing of sorghum as source of value addition and enterprise development, The nutritional values of sorghum and what all the reasons for which it is not been used often were also explained.

Dr. K S M S Raghava Rao, Chief Scientist, Dept of Food Engineering, CFTRI, Mysore, Explained about the role of food processing equipment for setting up small and medium entrepreneurship development and Technology transfer for enterprise development. About the New food processing operations, the transport phenomenon in food Engineering and applications of ATPE.

Dr. K Manorama, Principal Scientist & Head, Quality Control Lab, PJTSAU, Rajendra Nagar, Hyderabad. She explained about the role of Biotechnology in food processing and enterprise development and also the Applications of Biotechnology in food processing stages and about probiotics, its applications and new advances in food processing industry.

Dr. T N V K V. Prasad, Senior Scientist, Nanotechnology Laboratory, Institute of Frontier Technology, RARS, Tirupati. Gave lecture on Introduction to Nano technology and Applications of Nano Technology and the Role of Nano technology in Nutraceuticals and functional foods.

Dr. V. Vijaya Lakshmi, Professor, CHSc, PJTSAU, Saifabad, Hyderabad, explained about the Bakery processing technologies for development of an enterprise. She explained the new trends in Bakery industry and what all the new business ventures in the industry for enterprise development.

Dr. K. Uma Maheswari, Professor & University Head (Foods & Nutrition) & Programme Director (Food Technology) Post Graduate & Research Centre, PJTSAU, Hyderabad, gave lecture on Utilization of underutilized foods for value addition

Dr. Mahalakshmi V. Reddy, Professor & Head(RMCS) & Director (CAFT), CHSc, PJTSAU, gave lecture on Development of entrepreneur skills, How the skills will help in business handling and dealt about the details of different types of skills and its advantages for an Entrepreneur.

**Evaluation of the Training:**

On the last day of the training, participants were provided with the post evaluation schedule, to assess the knowledge gained through the 21 days training on "Advances in Food processing technologies for Value Addition and Enterprise Development". Clearly there was substantial difference in the test scores of the participants between the pre and post evaluation. Participant feedback on the training program too was obtained and most sessions were rated as either excellent or very good. They also stated that the topics covered were very useful to all the participants. Few suggestions such as inclusion of more hands on training, more sessions on meat and dairy processing etc were suggested by few participants.

**Valedictory:**

The training program was concluded with the valedictory function on 10<sup>th</sup> February 2015. The chief guest was Dr D. Rama Rao, Director NAAM, and Dr V Praveen Rao, Registrar & Special Officer, Prof. Jayashankar Telangana State Agricultural University. Dr. Anurag Chaturvedi, Associate Dean and Dean i/c College of Home Science, Hyderabad presided over the function. Dr. Mahalakshmi V. Reddy, CAFT Director welcomed the gathering. Dr K.Uma Maheswari, Course Director gave a brief report on all the activities carried out during the training program. Dr. D. Rama Rao, Director NAAM, Released the CD's of 21 days training program. Dr. Anurag Chaturvedi, Associate Dean, College of Home Science, Hyderabad addressed the gathering about the importance of knowledge management in the field of Home Science. The chief guest gave a speech on Value addition and Enterprise Development essential in India. He focused on the participants stating that they are the ambassadors in their respective universities to promote this kind of trainings. After the speech, certificates were distributed by the chief guest to all the participants.





**CAFT –HOME SCIENE INAUGURAL FUNCTION**



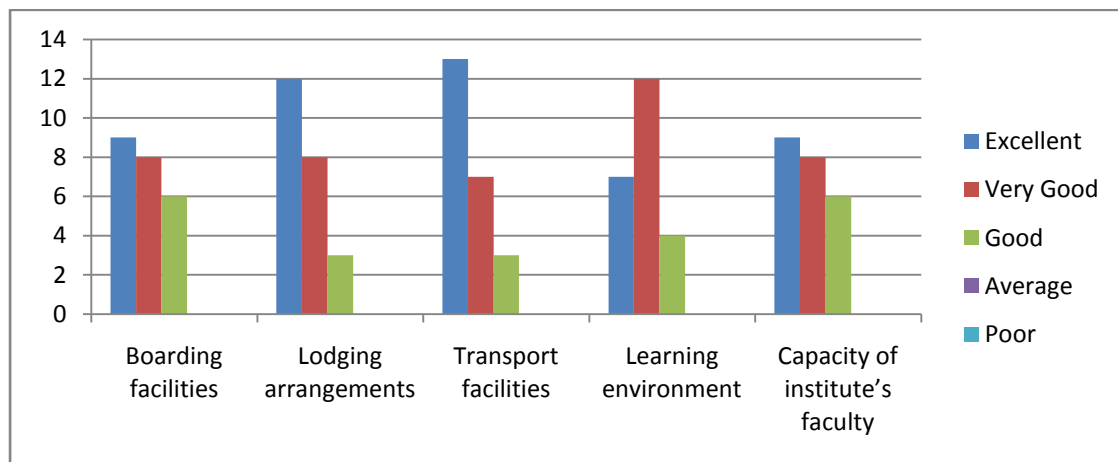
**VISITS TO V H AGRO FOODS**



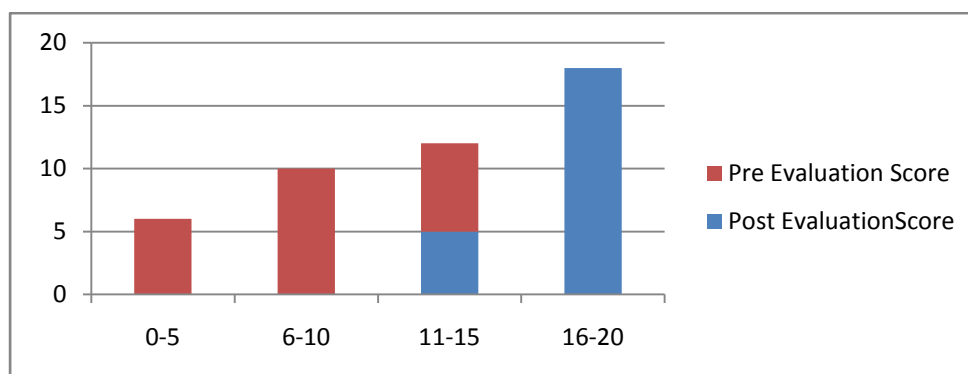
**CAF-H Sc TRAINING SESSION & VALEDICTORY FUNCTION**

## Post Evaluation feedback on infrastructure facilities

Training facilities	Excellent	Very good	Good	Average	Poor
Boarding facilities	9(39)	8(35)	6(26)	0	0
Lodging arrangements	12(52)	8(35)	3(13)	0	0
Transport facilities	13(57)	7(30)	3(13)	0	0
Learning environment	7(30)	12(52)	4(17)	0	0
Capacity of institute's faculty	9(39)	8(35)	6(26)	0	0



## Knowledge Assessment of Pre and Post Evaluation Statistical interpretation on the 21 days training programme



## Report on Post Evaluation

1. The training post evaluation revealed the increase in the knowledge level of the participants from 94-100 percent from pre to post evaluation. The lectures given by eminent personalities had provided a clear knowledge and adequate knowledge, experience and confidence. The topic about the writing a winning grant proposal for project to establish a new enterprise. Participant's opinion on training was very good Contents and delivery mechanism,

opportunities for hands on experience, resources material provided, extent of involvement of guest faculty and level of training seriousness maintained and arrangement of field trips. It was very good for overall impression about the boarding and lodging arrangements, transport facilities, learning environment and good for Overall impression about the food & stay arrangements. Over-all rating for the training was evaluated by 5-point scale.

2. The Visits various food processing industries and institutes gave an in depth hands on exposure on various value added products and processing technologies
3. Visit to different institutions and organizations gave information on research input and areas for new research to start writing a winning project proposal
4. Training has enlightened about the appropriate steps to make project proposals

### ***Course Evaluation schedule***

Majority of the participants were well satisfied with the lectures given by different specialists from different Institutions where a clear cut view on respective topics, the participants had practical experiences by visiting the many food processing institutions and gained new knowledge on recent developments by the end of the training program.

### ***Suggestions for improvement of the training***

- The class room can be further improved with good comfortable seating, and smart board location in the class for better view and comfort for the participants.
- Some of the topics like Rice processing technology, Beverages, Bakery processing technologies and lecture on export quality by APEDA was could have been dealt in detail.
- New topics which can be added in this training are: Milk and milk processing
- Quality of food served was not very good at DOR.

### ***Topics Proposed by Participants for future training:***

- Milk and milk processing
- Innovative packaging and Recent advances in packaging
- Advances in shelf life studies.

## OBJECTIVE 1:

### B. ALLOCATION OF SEATS UNDER PG PROGRAMME

Admission: UG & PG programme in Academic year 2014– 2015 has full strength

#### Under-Graduates Students Intake:

	No. of students	Boys	Girls
B.Sc (Hons) Home Science:	95	0	95
B.Sc(Honours) Food Science and Nutrition	38	8	30
B.Sc(Honours) Fashion Technology	31	8	23

In view of the good number of students at UG level and also there is also demand for PG studies.

#### Post-Graduate Students Intake:

	No. of students	Boys	Girls
M.Sc (Home Science)	16+3(ICAR nominees)	0	19
M.Sc (Food Science & Tech.)	7+2(ICAR) + 2 (International)	4	7
PhD (Home Science)	6+1(International Student)	0	7

## Objective 1: C. RESEARCH

*RESEARCH PROJECT TAKEN UP BY THE FACULTY DURING 2014-15*

### DEPARTMENT OF FOODS & NUTRITION

Sl. No	Project title	Investigators	Funding agency	Budget Rs. in lakhs
1	“Nutraceuticals properties of underutilized fruits and vegetables in North Eastern Hill Region of India”	Dr.Aparna Kuna, Assistant Professor (Principal Investigator) and Ms. T.Supraja, Assistant Professor ( Co Principal Investigator)	DBT & PGRC, PJTSAU, Rajemdranagar, Hyderabad	59.04
2	“Glycemic Index profiling of rice varieties for combating life style diseases”	Dr. K. Uma Maheswari (PI) and Dr. K. Aparna (Co- PI) and Dr. W. Jessie Suneetha (Co-PI) Dept. of FDNT, College of Home Science, Hyderabad.	RKVY	12.00
3	"Evaluation of Weekly Iron and Folic acid Supplementation” (WIFS)	Principal Coordinator: Dr Anurag Chaturvedi and Principal investigator: Dr K. Uma Devi, FDNT, College of Home Science, Hyderabad.	UNICEF	18.51

Unicef sponsored project entitled "Evaluation of Weekly Iron and Folic acid Supplementation” (WIFS) and Nutrition Rehabilitation Centers (NRCs) is in progress in all districts of Andhra

Pradesh and Telangana being operated through the Krishi Vigyan Kendras in each district.(Principal Coordinator: Dr Anurag Chaturvedi and Principal investigator: Dr K. Uma Devi.

### **DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES**

<b>Sl No</b>	<b>Project Title</b>	<b>Investigators</b>	<b>Funding agency</b>	<b>Budget Rs. in lakhs</b>
1	Learning Outcomes of Girl children studying in KGBVs	Dr.Uma Devi, Professor, (principal investigator) and Dr. K. Mayuri, Professor& University Head, (co principal investigator) Department of Human Development & Family Studies, College Of Home Science,	RVM/SSA, Govt. of Telangana & AP	4.5
2	A study on Parental preferences to admit children in Government schools and Private Schools”	Dr. K. Mayuri, Professor& University Head, (principal investigator) Department of Human Development & Family Studies, College Of Home Science,	TGSSA	1.5
3	Establishment of model Anganawadi	Dr. Anurag chaturvedi, (Principal coordinator) Dr. K. Mayuri (Principal investigator) HDFS	UNICEF	6.17

### **DEPARTMENT OF RESOURCE MANAGEMENT AND CONSUMER SCIENCES**

<b>Sl. No.</b>	<b>Project title</b>	<b>Investigators</b>	<b>Funding agency</b>	<b>Period / duration</b>	<b>Budget Rs. in lakhs</b>
1	“Floral preservation by freeze drying technology – standardization of treatments and process for value addition and enterprise management	PI: Dr. Mahalakshmi V.Reddy and Co I: Dr. D.Ratna Kumari	DST	October 2013- March 2016	58.08

### **DEPARTMENT OF EXTENSION EDUCATION AND COMMUNICATION**

<b>Sl. No.</b>	<b>Project title</b>	<b>Investigators</b>	<b>Funding agency</b>	<b>Period / duration</b>	<b>Budget Rs. in lakhs</b>
1	Documentation of ICDS innovations	PI: Dr. Mary Swarnalatha, Department of Extension Education and Communication & Co I: Dr. Anurag Chaturvedi	UNICEF	October 2013- March 2016	13.73

## ACRIP in Home Science

**Principal Scientist:** Dr. A .Mrunalini, Scientist,ACRIP-RMCS.  
PGRC, PJTSAU, Rajendra nagar, Hyderabad-30

### Drudgery Assessment and Mitigation

1. During the year 2013 – 15, 2 production systems of the operational villages were identified to characterize drudgery. The salient findings were highlighted in the report.

Crops	Production System	Centre
Vegetable	Vegetable (tomato)	PJTSAU
Oil Seeds	Cotton	PJTSAU

### Results

The Study was conducted in Telangana. Cotton is a seven month crop grown during kharif. Gender participation in tasks of this system reveal that among the major eight tasks, women exclusively participated in removing stalks, sowing, weeding and crop harvesting. Women belonging to small and marginal farm categories spent one or two days in their own farm, followed by wage labor for about 10 -15 days at other farms. Traditional tools are used for cotton production systems viz., kurpi/khurpa, wooden plough and local cattle drawn hoe (guntuka) . Activity wise drudgery load for cotton production revealed that all the activities viz., weeding, sowing-dibbling, harvesting, manuring and land preparation had a very high level of drudgery in Telangana. In Vegetable cultivation. According to the Drudgery index, high drudgery was observed in weeding as well as gathering and heaping, removing stalks and stubble and inter-culturing fall in the medium category followed by spreading manure and preparing channels under low category.

**Three** Technologies were developed during the year 2013 – 15.

S. No	Name of the technology refined/ developed	Developed/ Refined	Centre
1	Harvest bag ( basket model)	Refined	PJTSAU – Hyderabad
2	Harvest bag ( bin model)	Refined	PJTSAU – Hyderabad
3	Seed placement tube	Developed	PJTSAU – Hyderabad

2. The following technologies were ergonomically evaluated after field interventions. Work place design was studied for weaving enterprise for technology up gradation

S. No.	Technology Intervention	Centre
1	Technology Intervention of Harvest bags (back & front model)	PJTSAU – Hyderabad
2	Performance evaluation of Seed placement tube for cotton dibbling	PJTSAU – Hyderabad

### **Results**

Manual cotton picking is not only a tedious and laborious work but also effective. Results on the evaluation of three types of harvest bags compared to hand picking revealed that the use of harvest basket increased the pace of work by 238.6sq.m/hour, productivity by 1.75 kg and saved time by completing an acre of land almost 2.3 hrs earlier, which was a noticeable increase with the Technology intervention for hand picking of flowers, okra harvesting and cotton.

Commercially available technologies have been made available to farmers on request About **Seven** technologies were up scaled as per the need and for introduction among SHG groups

S. No.	Technologies up scaled	No of units
1	Harvest bags (back)	20
2	Harvest bags (front)	10
3	Harvest bags (basket)	15
4	Capron	20
5	Seed bag cum fertilizer bag	15
6	Seed placement tube	10
7	Head Load managers	20



## **EMPOWERING AGRARIAN FAMILIES FOR QUALITY LIFE**

**Principal Investigator:** Dr. Nasreen Banu, Scientist, ACRIP-HDFS, PGRC, PJTSAU, Rajendranagar, Hyderabad.

Capacity development of youth engaged in agriculture was taken up in the XII Plan period, as well trained and competent Youth would be change agents for Sustainable Agriculture.

### **SALIENT RESULTS:**

- Bench mark survey was conducted to find out the youth (who discontinued studies) involved in Agriculture & Allied activities. Out of 1255 sample, 1012(81%) were engaged in Agriculture. Out of 1012, 739 (59%) were fully engaged in Agriculture work and 273 (22%) were partially engaged in Agriculture work. Out of 1255 sample, 150 were selected for research purpose.
- Out of 150 rural families selected for the study, 42% belonged to lower middle class families, 25% were poor, 19% belonged upper middle class and 14% were very poor.
- Data was also collected from the youth with regard to Everyday life skills; Family environment perceived, Coping strategies used in facing day to day challenges of life and problematic behavior & functioning levels, Career Interests and Training needs (in agriculture & allied fields) using standard scales and check lists.
- Based on Teacher's observations & Academic grades, academically backward children were identified. Children with C and C+ grade are considered academically backward. There were 768 children in the age group of 11 – 17 yrs (from class 6<sup>th</sup> – 10<sup>th</sup>) from 5 villages. Out of 768 children, 178 (23%) children were found to be academically backward. Out of 178, 150 were selected for the present study. Out of 150 children 80 (53%) were boys & 70 (47%) were girls.
- Reasons for academic backwardness & Vocational needs of the academically backward youth were found using standard tools & checklists.





## **AICRP-CLOTHING & TEXTILES 2014-15**

**Principal Investigator:** Dr. A.Padma,  
ACRIP,PGRC,PJTSAU,Rajendranagar Hyderabd.

### **Functional clothing to combat occupational health hazards of farm workers:**

### **Mitigating occupational health hazards of farm workers in agriculture & allied sectors:**

Exposure to pesticides, organic dust and other obstructing matters in different agricultural (okra & cotton) and allied operations are the most important occupational risks among small and marginal farmers. To overcome their occupational health hazard, functional clothing /accessories were designed and tested for their suitability and acceptability. Recommended functional clothing for farm/allied activity workers are Apron, Gloves (woven, knitted & latex coated), Head gear, Mask & Muff. Recommended functional clothing for harvesting okra, caster, cotton crops and green fodder are designed on the basis of suitability, comfort ability, durability. Developed functional clothing was up scaled and given to 6KVK's and other 4 AICRP centers for intervention in 2014-15. Present depicted results are from different fields (cotton, okra, castor and green fodder) of the KVK's. Wear trails of developed functional clothing were done on 30 farm women workers in their respective fields and asked to wear while harvesting.

### **Results:**

- At most of the places old shirt was used as upper garment. It was economical and comfort for use.
- Knitted gloves have scored highest acceptance with 3.8 WMS (weighted mean score) out of 4.0 in terms of appearance, grip, durability and cost effectiveness.
- All the field workers used towel as head gear for protection from external matters.
- Gloves are found to be good in Castor plucking with good grip and excellent for Okra and cotton and green fodder harvesting.
- Speed is good while harvesting okra plucking, even when moisture content on the crop.
- In all types of crops acceptance at first trial was found to be little difficult because of its low rate of plucking/harvesting, where as, at 3<sup>rd</sup> trial acceptance level has been increased and are comfortable by 5<sup>th</sup> trial.



## MILLET FEST 2015

College of Home Science with financial inputs from Dept. of Agriculture, Govt. of Telangana has Organized "**Telangana Millet Fest-2015**" from 27th Feb to 2nd March 2015 at People's Plaza, Necklace road, Hyderabad. More than 50 millet entrepreneurs exhibited and sold their millet products in the stalls. Nearly 20 had put up food court, where they served freshly made millet snacks and tiffins. As many as 52 thousand people visited the Millet Fest and gained knowledge and insight about millets and consumed a variety of millet recipes and purchased processed, ready to eat and ready to cook millet products.

Millet fest was inaugurated by Hon'ble Minister for Agriculture Sri Pocharam Srinivas Reddy, Dr Mrs Poonam Malakondaiah, Principal Secretary, Dept. of Agriculture and Cooperation and Dr Praveen Rao, Registrar and Special Officer, PJTSAU. Ms. Priyadarshini, Director of Agriculture, Govt. of Telangana and Dr Mrs.Anurag Chaturvedi, Dean Home Science, PJTSAU were the chief organizers of the event.

Two talks were **broadcasted in AIR** in the first and second week of Feb2015; i) Food and Nutritional needs of farm women and men. ii) Nutritional problems in farm workers and their prevention and treatment.



## **OBJECTIVE II**

To update the curriculum and courses of Home Science and to strengthen teaching and evaluation at UG and PG level.

### **Action Plan: On-going Academic Programmes and Activities**

#### **UG Programme**

As per the ICAR's IV<sup>th</sup> Dean's Committee recommendations, UG Curriculum was revised and being implemented from the year 2009-2010 and the same is being followed for the current academic year also.

Undergraduate Programme –

1. 4 year degree (2+2)- B.H.Sc (Hons) with vocational electives
2. 4 year degree – B.Sc Fashion Technology (New programme in 2011-2012)
3. 4 year degree – B.Sc Food Science and Technology (New programme in 2012-2013)

The new 4 year UG degree viz Food Science and Technology, Fashion design and Technology by the Department of Foods and Nutrition and Apparel and Textiles have been running the program successfully.

For the V<sup>th</sup> Deans committee, UG curriculum was reframed keeping in view of new vocational opportunities in different fields of Home Science. Detailed course outlines were submitted to offer UG 4 yr degree with 3 + 1 option and complete syllabus for 4yr degree in Food Science and Technology, Fashion design and Technology, Interior Design was proposed for approval by ICAR for the next plan period. The Departments of Foods and Nutrition, Apparel and Textiles and Resource Management and Consumer Sciences (Family Resource Management) have been the pioneer to offer these courses as professional electives from the year 2000 onwards

#### **PG Programme**

As per the ICAR's IV<sup>th</sup> Dean's Committee recommendations, PG Curriculum of M.Sc (Nutrition & Dietetics) was revised and implemented from the year 2009-10.

#### **Postgraduate Programmes**

- M.Sc (H.Sc) & Ph.D (H.Sc) – Foods and Nutrition
- M.Sc (H.Sc) & Ph.D (H.Sc) – Family Resource Management
- M.Sc (H.Sc) & Ph.D (H.Sc) – Human Development and Family Studies
- M.Sc (H.Sc) & Ph.D (H.Sc) – Textiles and Clothing
- M.Sc (H.Sc) – Home Science Extension and Communication Management
- M.Sc (FST) – Food Science and Technology

### **OBJECTIVE III**

To support the Government in training the personnel by disseminating Home Science information to personnel of different sectors.

To encourage self employment and income generating activities among grass root level workers, farm women and house wives, training programmes on Home Science and skill oriented certificate courses were organized by Centre of Advanced Faculty Training Centre.

#### **1. Training Programmes and Certificate courses organized:**

- A. The 22<sup>nd</sup> Preprimary teacher training Certificate course was organized by the Dept. of HDFS, with the duration of six weeks i.e. from 12.3.14 to 26.4.14. Dr. P. Sreedevi, Asst. professor, Dept. of HDFS was the course coordinator for the programme. Total 30 trainees were enrolled and completed successfully. The department has generated Rs.1, 20,000/- income to the University.
- B. Centre for Advanced Faculty Training in Home Science (CAFT - H.Sc) Director Dr.Mahalakshmi V.Reddy organized 21 days CAFT in Home Science Training from 21st Jan - 10th Feb 2015, on the title 'Advances in Food Processing Technologies for Value Addition & Enterprise Development'. This training is conducted by the Course Director Dr.Uma Maheshwari and Co-directors Dr. K. Aparna, Assistant Professor and Dr. W. Jessie Suneetha, Assistant Professor of Foods and Nutrition Department, Post-graduate and Research center, College of Home Science, PJTSAU. The Head of CFTRI, Hyderabad centre Dr.A.Satyanaraya was the Chief Guest for the Inaugural function held on 21st January 2015, and it was presided by Dr.V.Praveen Rao, Registrar and Special Officer of PJTSAU. A total of 25 participants representing 20 State Agricultural Universities who are working as Assistant Professor or Subject Matter Specialists or Scientists are undergoing training at CAFT-H.Sc centre, PGRC, Rajendranagar.
- C. Department of Human Development and Family studies organized Off Campus Training Programme for Preprimary Teachers of Chinmaya School, Nellore from 14<sup>th</sup> to 16<sup>th</sup>, September, 2014.
- D. Department of Human Development and Family studies organized a certificate course on Preprimary Teacher Training from 1-8-14 to 20-9-14. The valedictory programme was conducted on 20<sup>th</sup>, September, The chief guest of the function was Dr. Anurag Chaturvedi, Associate Dean and Dean i/c. Head of the dept. Dr. K. Mayuri gave welcome address and Dr. P. Sreedevi, Asst. Professor, Dept. of HDFS presented a brief report on the programme.

Certificates were distributed and chief guest inaugurated the exhibition put up by the participants.

**Workshops arranged:**

1. Dr. Anurag Chaturvedi, Associate Dean (CHSc) & Dean i/c (Faculty of Home Science), Dr. K. Uma Devi, Professor, Dept. of FDNT, College of Home Science, Hyderabad are conducting a work shop on “Base line evaluation of Nutrition Rehabilitation centers and weekly Iron and folic acid supplementation programmes” to Subject Matter Specialist of Krishi Vignan Kendras and of 23 districts of Andhra Pradesh and Telangana state on 25<sup>th</sup> October 2014.  
**Theme:** Novel Strategies & Innovations in Agricultural & Horticultural Sciences conducted on 27<sup>th</sup>-29<sup>th</sup> October, 2014
2. Faculty of Home science represented for V Dean’s Committee on Home science for Higher Agricultural Education in India. Workshop was conducted by Dr. Anurag Chaturvedi, I/C Dean of Home Science, Dr. Raja Ram Reddy, Ex- P&M Cell Head on 19.12.2014 at C.H.Sc, Hyderabad. All the Heads of the departments attended and revised content for 2+2 stream and 3+1 stream for B.Sc (Hons.) Home Science UG programme. Dr. Anurag Chaturvedi, Associate Dean, College of Home Science, Dr. A. Mrunalini, Professor and University Head, Dept. of RMCS, Dr. A. Padma, Principal Scientist, AICRP, and Dr. D. Anitha, Professor and Head of dept. of APTX, participated and represented the revision to be made in all five disciplines of Home Science from 22-12-14 to 23-12-14 at GBPAU&T, Panth Nagar.
3. Dr. Padma, A., Principal Scientist, Khateerja Sultana, S. conducted ‘Rythu Mahila Sadassu’ for 10 districts of Telangana State at PJTSAU, Hyderabad from 17th to 18th November. (To provide a platform for women to interact on the issues concerning to their techno economic empowerment and appraise them on Home Science technologies. About 53 women farmers belonging to Telangana Districts had participated in this event. Block printing was demonstrated to the represented women group, where an exhibition was arranged- on usage of pesticides for farmer’s precautions, value added products from non conventional fibers, importance of protective & functional clothing).
4. Dr. P. Amala Kumari, professor & Convener and Dr. M. S. Chaitanya Kumari, Associate Professor & Coordinator, HECM, CHENU KABURLU radio programme organized two workshops with four days duration in two spells to students from five different colleges of PJTSAU on “Capacity building for radio communication as part of the “CHENU KABURLU” programme.

## 2. Staff as Resource Persons (Outside Organization):

SI. No.	Name	Title of the programme	Topic	Date	Organization/venue
1.	Dr.V.Vijaya Lakshmi, Professor, Dept. of Foods & Nutrition	Ethnic foods	Ethnic food conference	26 <sup>th</sup> to 27 <sup>th</sup> June, 2014	Tanjavuru, Tamilnadu
2	Dr. B.Anila Kumari, Assistant professor, PGRC	Women Health and Nutrition	Health and Nutrition through life cycle	11 <sup>th</sup> July, 2014	by MRF Tyres Family Welfare Association
3	Dr.K.Aparna, Assistant Professor,PGRC	“Post Harvest Technologies in Agriculture and Allied Sectors”	Post harvest management and value addition for entrepreneurship	5 <sup>th</sup> September , 2014	Extension Education Institute, Rajendranagar, Hyderabad.
4	Dr. T. V. Hymavathi, Professor, Dept. of FDNT, College of Home Science, Hyderabad	"Food and Nutritional Security of the Rural Households – Role of Women"	Food & Nutritional Security through Millets	15 <sup>th</sup> October, 2014	MANAGE, Rajendranagar, Hyderabad
5	Dr. K. Aparna, Assistant Professor, Dept. of FDNT, College of Home Science	"Food and Nutritional Security of the Rural Households – Role of Women"	Right cooking practices and Low cost food processing technologies for farm-women	15 <sup>th</sup> October, 2014	MANAGE, Rajendranagar, Hyderabad
6	Dr.TV. Hymavathi, Professor, Dept. of FDNT, College of Home Science	Agricultural - Nutrition knowledge Sharing	Agricultural - Nutrition knowledge Sharing	10 <sup>th</sup> November, 2014	Indian International Centre, New Delhi
7	Dr.K.Uma Devi, Professor, Dept. of FDNT, College of Home Science	“Food and Nutritional Security of the Rural Households – Role of Women"	Food & Nutritional Security- Concepts and Measures to achieve F & N Security in Rural Households	18 <sup>th</sup> November , 2014	MANAGE, Rajendranagar, Hyderabad
8	Dr.TV. Hymavathi, Professor, Dept. of FDNT, College of Home Science	“Food and Nutritional Security of the Rural Households – Role of Women"	Food & Nutritional Security through Millets	18 <sup>th</sup> November, 2014	MANAGE, Rajendranagar, Hyderabad

9	Dr. K. Aparna, Assistant Professor, Dept. of FDNT, College of Home Science	“Food and Nutritional Security of the Rural Households – Role of Women”	Right cooking practices and Low cost food processing technologies for farm-women	18 <sup>th</sup> November, 2014	MANAGE, Rajendranagar, Hyderabad
10	Dr.K.Uma Maheswari, Professor & Head, Department of Foods & Nutrition	“Food and Nutritional Security of the Rural Households – Role of Women”	Concept of Food & Nutrition Security	19 <sup>th</sup> November, 2014	MANAGE, Rajendranagar, Hyderabad
11	Dr.TV. Hymavathi, Professor, Dept. of FDNT, College of Home Science	Post Harvest technology and Value addition to Agricultural Crops	Processing of Agricultural and Horticultural crops	22 <sup>nd</sup> November, 2014	SAMETI. Hyderabad
12	Dr.V.Vijaya Lakshmi, Professor & Head, Dept. of Foods and Nutrition	“Food and Nutrition Security for Rural Household- Role of Women”	Food groups, Nutrition and Diet planning for the Agricultural Extension Officers	17 <sup>th</sup> November, 2014	MANAGE, Rajendranagar, Hyderabad
13	Dr. K. Aparna, Assistant Professor, Dept. of FDNT, College of Home Science	“Challenges & Prospects of Food Processing Technology – Based on Solar Energy”	Future prospects in Food Processing – Processing of grains	16 <sup>th</sup> December, 2014	FAPCCI, Hyderabad.
14	Dr. K Aparna Assistant Professor PGRC	“Quality & Nutritional Aspects in Rice	Dietary management for life style diseases	5 <sup>th</sup> January, 2015	Indian Institute of Rice Research (Formerly Directorate of Rice Research), Rajendranagar
15	Dr. T. Neeraja Professor Dept. of RMCS	“Consumer education through visual media	Depicting consumer awareness through visual	23 <sup>rd</sup> January, 2015	Sri Venkateswara college of Fine Arts, Madhapur
16	Dr.TV.Hymavathi, Professor, PJ TSAU	Farmer scientist interaction	importance of farmers’ health with special emphasis on	4 <sup>th</sup> March, 2015	Adilabad, Karimnagar and Jagityal districts

			cultivation and consumption of Millets.		
17	Dr.TV.Hymavathi, Professor, PGRC, PJTSAU	International women's day celebrations	women and the family health with special reference to Millet foods	9 <sup>th</sup> March, 2015	Millet foods at commercial tax department of Ameerpet branch
18	Dr.K.Uma Maheswari, Professor& head PGRC, PJTSAU	Conference on "Agri nano technology	Nanotechnology in Food Sciences'	12 <sup>th</sup> March, 2015	RARS (ANGRAU), Tirupati
29	Dr.TV.Hymavathi, Professor, PGRC, PJTSAU	Consultative Meeting on "Enhancing Exports of Sorghum & Sorghum Products from India"	"Enhancing Exports of Sorghum & Sorghum Products from India"	17 <sup>th</sup> March, 2015	ICRISAT in association with APEDA
20	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Ramesh Hospital	Over all Wellbeing ness	14 <sup>th</sup> March, 2015	Vijayawada
21	.P Sreedevi, Asst. Professor, Dept. of HDFS	School gathering	Two guest lectures on "Stress management" and "Time management" for Adolescents	16 <sup>th</sup> March, 2015	Sri Kakateya High school, Mehadipatnam

### 3. Scientific Articles Published:

S.No	Name	Title	Journal Name	Volume No.	Year
1	Ms.Swetha Kodali and Dr. Neeraja Telaprolu RMCS	'Influence of Brand Name as a label feature of ready to eat meal food product on consumer buying'	The Asian Journal of Home Science.	Vol. 9, Issue.No.1	2014
2	K. Mayuri and M. Kirthy Reddy, Dept of HDFS	Girl child friendly environments in schools, : A comparative study of Government schools in three regions of Andhra Pradesh	Asian Journal of Psychology and Education	Vol. 47, No. 1-2, 2-12.	June 2014
3	L. Uma Devi and M.Uma, Dept of HDFS	Parenting styles and emotional intelligence of adolescents	The journal of Research, ANGRAU	XLI (4), 68-72.	June 2014



4	L. Uma Devi and M.Uma, Dept of HDFS	Correlates of scholastic achievements of rural elementary school children	The Journal of Community guidance and Research	Vol. 31 (1), 141-151	June 2014
5	Dr. L. Uma Devi Dept of HDFS	Content analysis of Domestic Violence reported in News papers	Indian Psychological Review	Vol. 82, No.1, p-p 3-8	Sep 2014
6	Dr. L. Uma Devi Dept of HDFS	Development of Multimedia E- content for preschoolers	Asian Journal of Psychology & Education	Vol. 47, No.5-6, p-p15-21	Oct 2014
7	Dr. L. Uma Devi Dept of HDFS	Girl Child friendly(NPEGEL) Schools and its Impact on Enrolment & Retention of Girl child	International Journal of Science & Research	Vol.3, Issue 10, Oct.2014.	Oct 2014
8	Dr.L. Uma Devi, Professor, Dept. of HDFS	A study on the Adolescent's Perception about their Family Environment	Journal of Humanities and Social Science	Vol.19, Issue 11	Nov 2014
9	T. Asha Jyothi and Dr. L. Uma Devi, Professor, Dept. of HDFS	Empowering Specially abled through rehabilitation- Case studies	IJIRD Journal	Volume 3, Issue 10	Oct 2014
10	Ms D Krishna Priya and Dr Y Vijaya Lakshmi	Sugarcane Juice Vending Machines and Vendors – Problems and Prospects	International Journal of Science and Research	Vol – 3, Issue II, November 2014 (ISSN: 2319 – 7064)	Dec 2014
11	Dr. Malakshmi V Reddy Professor and Head, RMCS	"Living Environment for the People with Special Needs - Need for Disaster-free and User Friendly Design"	International Ergonomic Conference HWWE 2014	McGraw Hill education Pvt.Ltd. New Delhi Pg 405 - 407.	Dec 2014
12	Pavitra Bhatt & K.Mayuri, HDFS	An Observational Study of Gender Differences in Social Skills of Preschool Children	The International Journal Of Humanities & Social Studies		2014
13	Swaroop Rani G & K.Mayuri, professor, HDFS	Caregiver Infant Interaction: Behaviour Analysis of Play Setting Through Observer Behaviour Software	International Journal of Science and Research (IJSR)		2014
14	Dr.Uma Devi.L, professor,Dept of HDFS	Correlates of scholastic achievement of rural elementary schoolchildren	Journal of Community guidance & research	Vol.31 (1) PP.141-151	2014

15	Dr.Uma Devi.L, Dept of HDFS	Content analysis of Domestic Violence reported in news papers	Indian Psychological Review	vol.82(1),9-14	2014
16	Miss. Veronica & Dr. Uma Devi.L , dept of HDFS	“Development of Multimedia e-content for preschoolers”	Asian Journal of Psychology & Education”	Vol. 47( 1-2 ), 15-21	2014
17	Dr.Uma Devi.L, J.KavithaKiran & B.Prashanthi, HDFS	Girl Child Friendly(NPEGEL) schools and its impact on enrollment and retention of girl child	International Journal of Science & Research,(online journal)	Vol. 3(10),559-562.	2014
18	Dr.L.Uma Devi.&J.KavithaKiran, HDFS	A study on the Adolescents perception about their family environment	ISOR Journal of Humanities & Social Sciences	Vol.19(11), pp.1-4.	2014
19	Dr.L.Umadevi&T.Asha Jyothi, HDFS	Impact of ICDS on developmental milestones of children under five in Telangana Region	International Journal of Science & Research,(online journal)	Vol. 4(11), 559-562.	2014
20	Dr.L.Umadevi&T.Asha Jyothi, Dept of HDFS	Empowering Specially abled through rehabilitation-Case studies	IJIRD(International journal of Innovative Research and Development		2014
21	Dr.L.UmaDevi&T.Praveena	Personality Development of girls studying NPEGEL and Non-NPEGEL schools	IJHSSI(International journal of Social science Invention		2014
22	Mr. N.Srinivasu&Dr.L.Uma Devi Dept of HDFS	Personality Development of Primary school Girl students studying in NPEGEL and Non- Npegel Schools	International Journal of Science & Research	Vol. 3(10),559-562.	2014
23	S. Janaki alias priya, Ravicharan Ameda, Sreedhar Mulinti, Anurag Chaturvedi , Manorama Kanuri, Prathima Namburi, M.R. Krishna Bhagavatula and Sunil Chidambar Kulkarni	Comparative study of fungal DNA extraction protocols in different fungal strains	Eco. Env. & Cons	20 (2) : 2014; 633-637	2014
24	Dr. Kranmayi s l, roja V, Dr.Manorama k and sarla n	“Identification Of Polymorphic Markers Associated With High Iron And Zinc Concentration In Brown Rice”	Trends In Biosciences	7(1):22-25	2014
25	Dr.Pratima. N,Dr. Anurag Chaturvedi,	Identification of fresh water fish species	International journal of food	7(11): 1012-1017,	2014

	Manorama. K, Sreedhar. M* Ravicharan.A and Krishna Bhagavatula.	commonly consumed in Andhra pradesh using PCR-RFLP profile of cytochrome b gene	and nutritional sciences		
26	Dr. N. Pratima, Dr. Anurag Chaturvedi, Dr. K.Manorama, Dr. Krishna Bhavathula and M.Sreedhar	Comparative study of DNA extraction methods in marine fish species	Asian Journal of Microbiology, Biotechnology & Environmental Sciences	Vol 16 (2) p.399-403	2014
27	Dr.S. Nagalakshmi, K. Manorama, K. Radhika	Biochemical and molecular characterization of maize genotypes for high iron content	Andhra Agriculture Journal	Vol 4	2014
28	Dr.Manorama Kanuri, Dr.Anurag Chaturvedi, Dr.Sreedhar Mulinti, Ravicharan Ameda, Janakipriya Sannasi, Prathima Namburi, Sunil C. Kulkarni and Krishna M.R. Bhagavatula	Development of a Molecular method for detection of Mycotoxin contamination in food grains	Asian Journal of Microbiology, Biotechnology & Environmental Sciences	Vol 16 (2) 2014, p.361-372	2014
29	Dr.K. Mayuri professor & N. Warsha, HDFS,	Age differences in interactions of children in multiage play settings	The International Journal of Humanities and Social Studies		2015
30	T S.A. Kumari & K.Mayuri, professor, HDFS.	Family factors and academic achievement: A study of age and gender differences	Asian Journal of Psychology and education, vol 48, no, 1-2, 2015		2015
31	S.A. Kumari & K.Mayuri ,Dept of HDFS	Personality factors and academic achievement : A study on rural government school children	Indian Psychological Review	vol.82, no. 1	2015
32	Dr.Sridevi R.N.V.S*, Dr.Manorama K, Dr. Anurag Chaturvedi, Krishna Bhagavatula M R, Sunil-Chidambar K, Ravicharan A, Prathima N, Durgarani Ch. V And Radhika K	Molecular Detection of Aflatoxin producing fungal gene, <i>aflQ</i> gene in infected rice samples using PCR	Trends In Biosciences		2015
33	Shiresha, M., Padma, A., Anitha, D. APTX	Comfort Properties of Ecologically Friendly Sisal Union Fabrics	International Journal of Science and Research (IJSR)	Vol 4(2):1748-50 Impact Factor	2015

				(2013): 4.438	
34	Dr.Mrunalini. A professor and head RMCS, Deepika. J ACRIP	“Grip Strength among College Youth and its Relation to Body Postures”	International Journal of Science and Research (IJSR)	volume 4 Issues 3,pages 1577-1581	2015
35	Dr.Mrunalini. A professor and head RMCS,	A “Compatibility between Physical Fitness and Work Load among Farm Women”	International Journal of Science and Research (IJSR)	volume 4 Issues 3,pages 1967-1969	2015
36	Dr. Mrunalini. A., Esther. D and Deepika. J, ACRIP	“ Characterization of Drudgery In Cotton Production Systems”	International Journal of Science and Research (IJSR)	vol. 5, Issue 2	2015
37	Dr. D. Anitha, Professor, Dept. of APTX, Dr. A. Sharada Devi,	‘Antimicrobial micro encapsulated cellulosic textiles’	International Journal of Science and Research (IJSR)	Vol, 4, Issue	2015
38	Dr. D. Anitha, Dr. A. Sharada, professor, APTX	‘Antimicrobial micro encapsulated cellulosic textiles’	International Journal of Science and Research (IJSR)	Vol,4, Issue 3. Pg: 882-884.	March 2015
39	Ms. Pratyusha K, Dr. A. Padma, Dr. D. Anitha, APTX	‘Features preferred by primary school children in school uniforms’	International Journal of Science and Research (IJSR)	Vol, 4, Issue 3, Pg: 882-884.	March 2015
40	Ms. Shiresha Manyam, Dr. A. Padma, Dr. D. Anitha,	‘Comfort properties of ecologically friendly sisal union fabrics’	International Journal of Science and Research (IJSR)	Vol, 4, Issue 2, Pg: 1748 – 1750	Feb 2015
41	N. Warsha & K.Mayuri, professor, HDFS	Child to Child Interaction: An Observational Study	International Journal of Science and Research (IJSR)		2015

**RESEARCH ABSTRACTS:**

S.No.	Name	Title	Journal	No
1.	Dr.Padma, A., Principal scientist, ACRIP	Mulch with Non Conventional Fibers	National Conference ‘Vision 2020 – Role of Textiles and Non wovens’, a souvenir, University College of Technology, Osmania University, Hyderabad	Pg: 38
2.	Dr.Padma, A., Principal scientist, ACRIP	Use of Natural Gums for Eco-Friendly Printing –An Innovative Approach	One day National Seminar ‘Texchroma’ 2015, a souvenir, University College of Technology, Osmania University, Hyderabad	Pg: 30

## OBJECTIVE IV:

To disseminate the Home science information to personnel of line departments, research institutes, State Agricultural Universities etc.

### 1. CAFT – H.Sc News Letter

To disseminate research highlights of various aspects of Home Science to different sectors and its personnel a CAFT News letters are is brought out by Centre of Advanced Studies. During the report period, two issues of News Letters were brought out for circulation among the line departments and the organizations involved in Home Science subject's related programmes and to disseminate Home Science information to personnel of different sectors.

**Center of Advanced Faculty Training in Home Science**  
**Acharya N.G. Ranga Agricultural University, Hyderabad (A.P.)**

**Issue No. 7**  
**April, 2014**

**CAFT NEWS LETTER**  
**November, 2013 - April, 2014**

**News in Brief**

**UPCOMING TRAINING PROGRAMMES**  
**Knowledge Management, a dynamic board**

Data, information and knowledge- people use them as synonyms. Data represents unorganized and unprocessed facts. Information is an aggregation of processed data which makes decision making easier. Knowledge is derived from information in the same way information is derived from data. Data is/are facts of the world, which is used for framing of meaningful information. By capturing the data from information, individuals build maps inside the brain as knowledge. Therefore, data and information are not knowledge until the value of them is dug. For this Knowledge Management (KM) is required. Management experts refer KM as a multi-disciplined approach to achieve organizational objectives by making the best use of knowledge. KM focuses on processes such as acquiring, creating and sharing knowledge and the cultural and technical foundations that support them.

KM arose approximately two decades ago, roughly in 1990 and initially defined as the process of capturing, distributing and effectively using knowledge.

A few years later, it was precisely presented as a discipline that promotes an integrated approach to identifying, capturing, evaluating, retrieving, and sharing all of an enterprise's information assets. These assets may include databases, documents, policies, procedures and previously un-captured expertise and experience in individual workers.

According to B. Gates (2000), "The knowledge management-is a very clever term to describe a very simple subject. You manage data, documents and the attempts of the employees. Your goal is to enrich them common work possibilities, including the exchange of thoughts, the usage of successful ideas and the coordination of actions towards the common goal. The management of knowledge must guarantee that the required knowledge will reach certain people at certain time, so that people can take certain actions."

In the context of Universities where research and extension are mandatory apart from teaching, KM is a technique as well as tool for dissemination of technologies to the personnel and community. It can be described as...

- An art of data collection, recognizing and understanding work relationship and management methods, which makes it possible to use available information and valuable knowledge.
- A process, which allows an organization to get profit from the knowledge and intellectual fund, which it manages.
- A technological system, which connects strategic and useful knowledge and evaluations and make it easier to create an effective cooperation and well-times decision making.

Holistically, KM system is IT system that stores and retrieves knowledge, improves collaboration, locates knowledge sources, mines repositories for hidden knowledge, captures and uses knowledge, or in some other way enhances the KM process.

**Knowledge Management Drivers**

**Knowledge Attrition:** It is abrasion of knowledge, especially when there is reduction in the number of employees that occurs when people leave because they resign, retire, etc., and are not replaced. If the experience of the employees is documented through KM process the attrition can be controlled.

**ANNOUNCEMENT**

Training programme for SAU Faculty: 71 days on Training "Home Science Knowledge Management- Innovative processes and tools" From 3<sup>rd</sup> to 23<sup>rd</sup> September, 2014.

"Advances in Food Processing Technologies for Value addition & Enterprise Development" From 21<sup>st</sup> January to 10<sup>th</sup> February, 2015.

*7<sup>th</sup> Issue April 2014 – CAFT - H.Sc News Letter*



**Center for Advanced Faculty Training in Home Science**  
**Professor Jayashankar Telangana State Agricultural University, Hyderabad.**  
 (Formerly part of Acharya N.G. Ranga Agricultural University)

# CAFT NEWS LETTER

Issue No. 8  
 May 2014 to December 2014

May 2014 - December 2014

## News in Brief

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**Center for Advanced Faculty Training - Home Science in Professor Jayashankar Telangana State Agricultural University (PJ TSAU)**

The Center for Advanced Faculty Training - Home Science (CAFT-H.Sc) located in Post-Graduate Research Center of College of Home Science, Hyderabad under the Faculty of Home Science in ANGRAU, is now under the aegis of Professor Jayashankar Telangana State Agricultural University (PJ TSAU) after the bifurcation of the Andhra Pradesh State. The new state of Telangana was born on June 2<sup>nd</sup> 2014, as per the notification of Andhra Pradesh Reorganization Act 2014 and Professor Jayashankar Telangana Agricultural University was established as per the Telangana Govt's G.O. Ms No.7, Agricultural and Cooperation (Agri III) Department, Govt. of Telangana dated 31<sup>st</sup> of July 2014 adapting the ANGRAU Act 1963 as "The ANGRAU Act of 1963 (Telangana Adaptation) order, 2014". The new university is named in honour and memory of Professor Jayashankar, an eminent educationist and an ardent Telangana ideologue. It is the only Agricultural University of Telangana state.



tremendous scope for entrepreneurial development in the food processing sector and the demand for processed food is like to be doubled by 2020.

Value addition refers most generally to manufacturing processes that increase the value of primary agricultural commodities. Value-added agriculture may also refer to increasing the economic value of a commodity through particular production processes, e.g., organic produce, or through regionally-branded products or traditional processing that increase consumer appeal and willingness to pay a premium over similar but undifferentiated products. Value added crop processing technologies might be a means for farmers to capture a larger share of the consumer food prices. Examples include direct marketing, farmer ownership of processing facilities, and producing farm products with a higher intrinsic value (such as identity-preserved grains, organic produce, traditional and home made products, hormone-free beef, free-range chickens, etc.), for which buyers are willing to pay a higher price than for more traditional bulk commodities. Value-added crop processing is regarded by some as a significant rural development strategy. Small-scale, organic food processing, non-traditional crop production, agritourism, and bio-fuels development are examples of various value-added projects that have created new jobs in some rural areas. Over the decades, many new technologies have evolved in the processing industry like non thermal processing, nanotechnology, aseptic packaging and so on to introduce new products. Processed food technologies can be boosted by integration of production, processing, research institutions, allied industries, utilities like power, water, warehousing, testing facilities, location specific labour laws, transportation, multi-location processing establishments and so on. There is a tremendous

**CAFT-H.Sc Training on 'Advances in Food Processing Technologies for Value addition and Enterprise Development' 21<sup>st</sup> January to 10<sup>th</sup> February 2015**

India is the third largest producer of all foods in the world, it is next only to China and US. It produces more than 600 million tons of foods. It is also the largest producer of Pulses, milk, tea and spices. It is the first and second largest producer of fruits and vegetables respectively. It has largest livestock population and stands first in the production of grains and oil seeds, fifth in poultry and seventh in fish production with 7000kms of marine landing. India is however very gloomy in processing scenario with less than 10% of produce being processed. The global scenario, however is different from that of India. Globalization and modernization have given



## 8<sup>th</sup> Issue December 2014 – CAFT - H.Sc News Letter

### 2. CAFT – H.Sc – Web Portal

CAS and CAFT - H.Sc Data from inception to till date is generated in soft copy for building the portal. A format of portal is ready but needs refinement and update. This will be linked to ANGRAU portal for public access by June 2012.

**Center of Advanced Faculty Training in Home Science**  
**Professor Jayashankar Telangana State Agricultural University**  
 (Formerly part of ANGRAU)  
**PG & RC, Rajendranagar, Hyderabad**

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**Events in CAFT HSc**

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Resource Management Consumer Sciences

Extension Education

**Announcements**

Home Science Education deals with all aspects of the life of the community and the nation. It integrates the application of knowledge synthesized from the different sciences and humanities to improve the human environment, family nutrition, Management of Resources ,Child Development and consumer competence.Thus,in order to understand all aspects of life, its relations to the community and nation at large, it is essential to maintain linkages with other disciplines such as physical, social and behavioral sciences,huminties,art,culture etc.Home Science education has got strong linkages with other disciplines with a common goal to enrich, enable and

**Upcoming Events of the Month**

### 3. Books/ Practical Manuals Developed

#### Books-

Technology interventions and its implications on Drudgery Reduction of women in Agriculture. A project Based study of Nine States (2007- 2012)

#### Booklet/ Manuals:

- Handmade Paper Carry Bags
- Leaflets on ‘Stains-indigenous ways of removing methods’, ‘were developed and printed
- Leaflets on “usage of pesticides – precautions for applicators”
- Folder on Tasty trends with Tomato
- Interactive e-Training Module on Tomato Processing and Entrepreneurship
- Research Accomplishments of XI plan period
- Parichay -An Innovative Extension Methodology
- Computer Literacy for E-extension.
- Module on orientation to multimedia production
- Technology kit “Medicinal plants for common ailments.
- A trainer’s training module on “value addition to tomato” both in the form of instructional print media and interactive CD.
- Vocational curriculum on photography and Videography for Inter and Degree level for AP Open School.

### 3. Training programmes/ seminars / workshops attended by staff:

SI No.	Name / Designation	Programme attended	Organization / venue	Period
1	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Conference on Personality Development		18 <sup>th</sup> to 19 <sup>th</sup> April, 2014
2	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Conference on Communication skills	Chennai	20 <sup>th</sup> April, 2014
3	Dr .A. Padma, A., Khateeja Sulthana Shaik, Scientist, ACRIP	‘ Action plan of work 2014-15’	EEl, PJTSAU, Rajendranagar, Hyderabad	21 <sup>st</sup> & 22 <sup>nd</sup> May, 2014
4	Dr. A. Mrunalini ACRIP	SLTP work done (2013-14) and research proposal	PJTSAU, Rajendranagar	May 28 <sup>th</sup> 2014

		for the year 2014-15		
5	Dr. K. Aparna, Asst. Professor, Dept. of Foods and Nutrition	21 days training programme on Planning, Monitoring and Evaluation of Food Security programmes	New Delhi	19 <sup>th</sup> May to 9 <sup>th</sup> June, 2014
6	Dr.K.Aparna, Assistant Professor Dept. of Foods and Nutrition	“Monitoring, evaluation and impact assessment of Food & Nutrition security programmes”	Wageningen University, Netherlands.	19 <sup>th</sup> May to 6 <sup>th</sup> June, 2014
7	Dr. A. Mrunalini ACRIP	Interface meeting for enhancing the quality of ECE involving KVKs	EEl, PJTSAU Rajendranagar	2 <sup>nd</sup> - 4 <sup>th</sup> June, 2014
8	Dr. A.Mrunalini ACRIP	Unit meeting on AICRP – H.Sc, Bhubaneswar, Orissa.	DRWA	5 <sup>th</sup> to 7 <sup>th</sup> August 2014
9	Dr. A. Padma, principal Scientist, ACRIP	Unit meet on AICRP – H.Sc	DRWA, Bhubaneswar, Orissa	5 <sup>th</sup> to 7 <sup>th</sup> August, 2014
10	Dr.Mahalakshmi V. Reddy, Prof & Head, Dr.T.Neeraja, Professor & Dr.P.Radha Rani Professor and the P.G students of Department of RMCS	International Conference of Green Buildings organized by Green Building Congress	HICC, Hyderabad	5 <sup>th</sup> to 6 <sup>th</sup> September, 2014
11	Dr.M.S.Chaitanya Kumari, Associate Professor, HECM	Content Creation in Regional Languages, Information Security & Knowledge Sharing through Vikaspedia Platform	Directorate of Rice Research, Rajendranagar, Hyderabad	26 <sup>th</sup> September , 2014
12	Dr. A. Mrunalini ACRIP	Seminar on Women Land Rights and Agriculture in Telangana State: Issues, Challenges, Opportunities and Policy Directions.	Seminar Hall, CESS, Hyderabad	16 <sup>th</sup> October 2014
13	Dr Mahalakshmi V Reddy, Professor and Head, Dept of RMCS and Mrs. Shirin Hima Bindu, Research Associate	Participated in the Socio-Technical Conference on Inclusive and Sustainable Development		12 <sup>th</sup> -13 <sup>th</sup> December 2014
14	Dr.P.Amala Kumari, Professor , Dept of HECM	Annual workshop on Spoken Tutorial at College of Agriculture	Central Library, PJTSAU	23 <sup>rd</sup> December , 2014
15	Dr.M.S.Chaitanya Kumari Associate	Workshop on NISAGENET	College of Agriculture,	23 <sup>rd</sup> December , 2014



	ProfessorHECM		Central Library, PJ TSAU	
16	Dr. K. Uma Devi, Professor, Dr. S. Sucharitha Devi, Assistant Professor and Dr.B.Anila Kumari, Assistant Professor, Dept. of FDNT, College of Home Science	Workshop on “Use of Optifoods tool for diet analysis”	Dr. M. S. Swaminathan Research Foundation (MSSRF), Chennai	8 <sup>th</sup> to 10 <sup>th</sup> October, 2014
17	Dr. K. Uma Devi, Professor, Dept. of FDNT, College of Home Science	“Frame work for module construction on Child Survival and Women empowerment”	NIRD, Rajendranagar	17 <sup>th</sup> October, 2014
18	Dr. K. Mayuri , Professor & Head, Dept. of HDFS	To improve the Existing Angawadi centers at College of Home Science	ECE Hyderabad	
19	Dr.Anurag Chaturvedi, Dean, Faculty of Home Science i/c & Associate Dean, Dr. K Manorama,Dr.Sridevi, Sreedhar M, Krishna Bhagavatula M R, Sunil-Chidambar K	On Influence of $\gamma$ - radiation stress on scavenging enzyme activity and cell ultra structure in Rice ( <i>Oryza sativa L.</i> ).	International Rice Congress at Bangkok, Thailand	27 <sup>th</sup> September to 1 <sup>st</sup> November, 2014
20	Dr. K. Aparna, Asst. Professor, Dept. of Foods and Nutrition	“Challenges & Prospects of Food Processing Technology – Based on Solar Energy”	FAPCCI, Hyderabad	16 <sup>th</sup> December, 2014
21	Dr. A. Padma, Principal Scientist, AICRP, Professor and University Head, Dept. of Apparel and Textiles, and Dr. D. Anitha, Professor and Head, APTX	Integration of teaching, research and extension	College of Home Science, Hyderabad	19 <sup>th</sup> December, 2014
22	Dr Anila kumari, Assistant professor, Foods & nutrition department. PJ TSAU	Advanced technologies in food processing for Value addition and Enterprise development	CAFT-H.Sc training , PGRC, PJ TSAU, Rajendra nagar, Hyderabad.	21 <sup>st</sup> January to 10 <sup>th</sup> February, 2015
23	Dr. Sucharitha Devi, Assistant professor, Foods & nutrition department. PJ TSAU	Advanced technologies in food processing for Value addition and Enterprise development	CAFT training programme, PGRC, PJ TSAU, Rajendra nagar,	21 <sup>st</sup> January to 10 <sup>th</sup> February, 2015

			Hyderabad.	
24	Dr. Manorama, QC lab, PJTSAU, Rajendranagar, Hyderabad	Underwent training on Documentation for NABL & ISO/IEC-17025-2005 and Internal Audit	NIPHM DURING	Jan 2015
25	Ms. S. Lakshmi Pooja, Asst. Professor, Dept. of APTX	Guest lecture on ' Writing a winning proposal' by Dr Usha Dixit Scientist at NSTEDB division, DST,	CAFT training programme, PGRC, PJTSAU, Rajendra nagar, Hyderabad.	6 <sup>th</sup> February, 2015
26	Ms. S. Sirisha Deepthi, Asst. Professor, Dept. of Apparel and Textiles	Guest lecture on ' Writing a winning proposal' by Dr Usha Dixit Scientist at NSTEDB division, DST,	CAFT training programme, PGRC, PJTSAU, Rajendra nagar, Hyderabad.	6 <sup>th</sup> February, 2015
27	Dr. D. Anitha, Professor and Head, Department of Apparel and Textiles	the Biennial Workshop of AICRP Home Science	Auditorium, AMR-APARD, Rajendranagar, Hyderabad	13 <sup>th</sup> &14 <sup>th</sup> February, 2015
28	Dr.T.V. Hymavathi, Professor, Department of Foods and nutrition	Interaction on the importance of farmers' health with special emphasis on cultivation and consumption of Millets	Karimnagar and Jagityal districts	4 <sup>th</sup> March 20115
29	Dr.T.V. Hymavathi, Professor, Department of Foods and nutrition	talk on the eve of international women's day celebrations on women and the family health with special reference to Millet foods	Commercial tax department of Ameerpet,Hyderabad	9 <sup>th</sup> march 2015
30	Dr.V. Vijayalakshmi, Professor Department of Foods and nutrition	guest lecture on " Importance of Nutrition for the women"	BSNL, Hyderabad	11 <sup>th</sup> march 2015
31	Dr.T.V. Hymavathi, Professor, Department of Foods and nutrition	Meeting on "Enhancing Exports of Sorghum & Sorghum Products from India"	ICRISAT Hydeabad	17 <sup>th</sup> March 2015
32	Dr.Aparna Kuna, Assistant Professor, PGRC, PJTSAU	the launching workshop of DBT project entitled "Nutraceutical Properties of Underutilized Fruits and Vegetables in NEH Region of India"	ICAR Research Complex for NEH Region, Manipur at Imphal	19 <sup>th</sup> to 23 <sup>rd</sup> March, 2015
33	Dr. A. Padma, Scientist, ACRIP	"Use of Natural Gums for Eco-Friendly Printing Innovative Approach"	Osmania University, Hyderabad	25 <sup>th</sup> March , 2015

### 5. Paper Presented at National Seminar/ Conference:

S.No	Name of the Scientist	Date	Event	Organizer	Paper Title
1	Dr. Mahalakshmi V. Reddy, Professor & Head, Dept of RMCS	27 <sup>th</sup> -29 <sup>th</sup> October, 2014	Effect of Freeze Drying Process on Keeping Quality of Asiatic Lily Flower Using Floral Freeze Dryer	HICC on 4th International Conference on Agriculture & Horticulture f	Freeze Drying Technology For Floral Preservation – Prospect And Process
2	Dr. A. Mrunalini ACRIP	3rd-5 <sup>th</sup> December, 2014	International ergonomics conference HWWE 2014	IIT, Guwahati	
3	Dr. Mahalakshmi V. Reddy, Professor & Head, Dept of RMCS	3rd-5 <sup>th</sup> December, 2014	International ergonomics conference HWWE 2014	IIT, Guwahati	Living Environment for the people with special needs- Need for disaster free and user friendly design”
4	Dr. Neeraja Professor Dept of RMCS	3rd-5 <sup>th</sup> December, 2014	International ergonomics conference HWWE 2014	IIT, Guwahati	“Aesthetic and Ergonomics in Interior Designing”
5	Dr. K .Uma Maheswari, Professor & Head , Department of foods and nutrition	11 <sup>th</sup> -12 <sup>th</sup> March, 2015	The conference on “Agri nanotechnology ” at RARS (ANGRAU)	Tirupathi	presented a lead paper on “Nanotechnology in Food Sciences'
	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	14 <sup>th</sup> March, 2015	Happy childrens	College of St. Theresa School, Eluru, Krishna District	UGC sponsored Seminar

### 6.Popular Articles Published:

Sl. No.	Name / Designation	Title	Magazine / news paper / news letter	Date/ month/ year
1	Dr. M. Sarada Devi, Professor, Dept. of HDFS	weekly suggestions to various queries of public in Counseling and Guidance column	Vartha News paper	12/2014
2	Dr. M. Sarada Devi,	gave weekly suggestions to	Vartha	06/2014

	Professor Dept. of HDFS	various queries of public in Counseling and Guidance column	News paper	
3	Dr. M. Sarada Devi, Professor, Dept. of HDFS	gave weekly suggestions to various queries of public in Counseling and Guidance column	Vartha News paper	07/2014
4	Dr. M. Sarada Devi, Professor, Dept. of HDFS	gave weekly suggestions to various queries of public in Counseling and Guidance column	Vartha News paper	09/2014
5	Dr. M. Sarada Devi, Professor, Dept. of HDFS	gave weekly suggestions to various queries of public in Counseling and Guidance column	Vartha News paper	10/2014
6	Dr. M. Sarada Devi, Professor, Dept. of HDFS	gave weekly suggestions to various queries of public in Counseling and Guidance column	Vartha News paper	12/2014
7	Dr.P. Radha Rani, Professor, Dept. of RMCS	Adulteration and how to detect adulterants”	ENADU	2015

### 7. Radio talks:

Sl. No.	Name / Designation	Title	Date of broadcast	Place / venue
1	Dr. D. Anitha, Professor, Dept. of APTX	“Courses offered in Apparel & Textiles and career opportunities available for public and private sector” and “Clothing Selection based on seasons”	21.07.2014	All India Radio
2	Ms. K. Pushpalatha, Ms. M. Shireesha, Ph.D scholars & Mr. K. Raghavendra Goud, Fashion Technology students from Department of Apparel and Textiles	‘Protective Clothing for Farmers’ as a part of ‘Chenukaburlu’ an initiative of PJTSAU students radio.	22.01.2015 to 24.01.2015	All India Radio
3	Dr.V. Vijayalakshmi, Professor, department of foods and nutrition	Importance and scope of Home Science with reference to Foods and Nutrition	02.03.2015	

### 8. T.V. Programmes:

Sl. No.	Name / Designation & Department	Title	Date of Telecast	Place / venue
1	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	“Premarital Counselling ”and “Sexual Harassment ”	03.12.2014 22.12.2014	Vanitha T.V.
2	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	. “Family Disruptions”	04. 02. 2015.	Vanitha T.V.
3	Dr. M. Sarada Devi, Professor, Dept. of	“Financial crisis	11.02.2015	Vanitha

	Human Development & Family Studies	of the family ”		T.V.
4	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Extra marital problems	03.04.2014	Vanitha T.V.
5	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Challenges in Child rearing	10.04.2014	Vanitha T.V
6	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Family Conflicts	06.05.2014	Vanitha T.V
7	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Parenting skills	13.05.2014	Vanitha T.V
8	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Love affairs after marriages	20.05.2015	Vanitha T.V
9	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	psychological problems	06.06.2014	Vanitha T.V
10	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Women headed households	20.06.2014	Vanitha T.V
11	Dr.V.Vijaya Lakshmi, Professor, Dept. of Foods and Nutrition	Diet and Nutrition during Pregnancy	13.06.2014	Vanitha T.V
12	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	Emotional problems of Women Headed households”	03.07.2014	Vanitha T.V
13	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	“Personal space for women in the family”	23.07.2014	Vanitha T.V
14	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	“Parent child conflict”	13.09.2014	Vanitha T.V
15	Dr. M. Sarada Devi, Professor, Dept. of HDFS	“Family Problems”	01.10.2014	Vanitha T.V.
16	Dr. M. Sarada Devi, Professor, Dept. of HDFS	“Rape victims”	15.10.2014	Vanitha T.V.
17	Dr. M. Sarada Devi, Professor, Dept. of HDFS	“Premarital counselling ”	24.10.2014	Vanitha T.V.
18	Dr. M. Sarada Devi, Professor, Dept. of HDFS	“Crime on Adolescent girls”	03.11.2014	Vanitha T.V
19	Dr. M. Sarada Devi, Professor, Dept. of HDFS	“Marital relationships”	10.11.2014	Vanitha T.V
20	Dr. M. Sarada Devi, Professor, Dept. of HDFS	“Premarital Counselling ”	03.12.2014	Vanitha T.V
21	Dr. M. Sarada Devi, Professor, Dept. of HDFS	“Sexual Harassment ”	22.12.2014	Vanitha T.V
22	Mrs.S.L.Kameswari,Dept of HECM,	“Role of parliamentarians in women empowerment in Vanitha TV”	09/2014	Vanitha T.V
23	Dr. M. Sarada Devi, Professor, Dept. of Human Development & Family Studies	“Family Problems”	02/03/15	Vanitha T.V

**AWARDS AND RECOGNITIONS:**

1. Dr K. Manorama professor, QC lab, received state best teacher award on 5<sup>th</sup> September from Govt. of Andhra Pradesh and Govt. of Telangana.



***DR. MANORAMA, PRINCIPAL SCIENTIST, QC LAB, PJTSAU, RAJENDRANAGAR, HYDERABAD***

2. Dr K. Uma Maheswari, Professor and Head, received state best teacher award on 5<sup>th</sup> September from Govt. of Andhra Pradesh and Govt. of Telangana.



***DR. K. UMA MAHESWARI, PROFESSOR AND HEAD, DEPARTMENT OF FOODS AND NUTRITION, PGRC, PJTSAU, RAJENDRANAGAR, HYDERABAD***

3. Ms. Lakshmi Challa, NSS Programme Officer, Department of Apparel and Textiles represented 'Professor Jayashankar Telangana State Agricultural University' at 'Telangana State Level NSS Youth Festival' organized by Mahatma Gandhi University, Nalgonda. She was awarded the Best Coordinated Programme Officer for the Event
4. Dr. K. Uma Maheswari, Professor & Head received "Bharath Mahila Siromani Award 2015" from Health Care International voluntary organization, on the occasion of International Women's day celebrations on 8<sup>th</sup> March 2015.
5. Research Associate of DST Project –E. Shirin Hima Bindu presented her M.Sc. Research on poster presentation and received Best Poster presentation "Effect of Freeze Drying Process on Keeping Quality of Asiatic Lily Flower Using Floral Freeze Dryer" at HICC on 4th International Conference on Agriculture & Horticulture from Oct 27th-29th 2014

# WORK PLAN PROPOSALS CENTRE OF ADVANCED FACULTY TRAINING

FOR THE YEAR 2015 - 16

FOR APPROVAL

College of Home Science, Post Graduate & Research Centre  
Rajendranagar, Hyderabad - 500 030.

## I. OBJECTIVES

- To serve as a national resource and training centre for faculty in the frontier areas of Home Science.
- To update the curriculum and courses of Faculty of Home Science to strengthen teaching and evaluation at UG and PG level.
- To support the government in training personnel.
- To disseminate home science information to personnel of different sectors.

## II. OUTPUTS/PROGRAMMES TO BE IMPLEMENTED DURING THE YEAR 2015 - 2016

### OBJECTIVE 1

To serve as a national resource and training centre for faculty in the field of Home Science in State Agricultural Universities.

### ACTION PLAN

**A. Short courses: Conducting one 21 Days Training program in the priority areas of Home Science as per the need.**

1. **Topic for Training Programme:** *"New Dimensions in Food Quality Analysis towards achieving comprehensive Food Safety"*

### **Justification of the proposed programme :**

Accuracy and precision in food analysis using ISO17025 system is mandatory in today's changing scenario of food processing.

Information on safety standards of food is crucial, especially when people are consuming varieties of foods like ready-to-eat, processed, fortified, functional foods, dietary supplements and nutraceuticals and for improving export potential. Consumers need information on ingredients, nutritional value and safety.



FSSAI has devised standards and established laboratories to test samples on those norms, which is mandatory with food industry growth.

Training in newer methods of precision based food testing for faculty in Agricultural Universities involved in food production and processing is imperative.

**Venue with full postal/e-mail address and office phone/fax numbers:**

- a. **Venue : CAFT-H.Sc , PG & RC, Rajendranagar, Hyderabad and MFPI-Quality Control Laboratory, Extension Education Institute Campus, Professor Jayashankar Telangana State Agricultural University, Rajendranagar, yderabad-500030**
- b. **Email address : cafthscanrau@gmail.com**
- c. **Phone number : Tel. 040-24013456, 040 23230781- Extn: 221, Fax No. : 040 23230781**

**Proposed dates:** 19<sup>th</sup> August to 8<sup>th</sup> September, 2015

**Other Priority areas identified for Short Courses**

- Nano-technology and its application for product enhancement
- Value chain in product design and development
- Occupational health and safety in formal and informal sector
- Geriatric health issues and self sustenance

**OBJECTIVE 1 B. ALLOCATION OF SEATS UNDER PG PROGRAMME**

Provision of seats in M. Sc. and Ph. D. in Home Science to outside State candidates selected through a common test conducted by ICAR.

**OBJECTIVE 1 C. RESEARCH**

**ON -GOING RESEARCH**

CAFT center will continue on the on-going projects sponsored

DST Project

UNICEF

RVK – AP

RKVY - ICAR

Some of the projects proposed by the faculty to funding agencies will be taken up during the academic year 2015 - 2016

## **OBJECTIVE 2**

To update the curriculum and courses of Home Science to strengthen teaching and evaluation at UG and PG level

### **ACTION PLAN**

Undertake necessary revision in UG and PG curriculum of Home Science to cope with changing needs, and implement the programme 2015-16 admitted batch.

## **OBJECTIVE 3**

To support the Government in training personnel and in implementation and evaluation of Home Science programmes.

### **ACTION PLAN**

Assessing and developing the training needs of the line departments (Women's Development & Child Welfare; Social & Tribal Welfare, Panchayat Raj & Rural Development) through meetings and group discussions. Trainings are planned to train the functionaries from Women Development and Child Welfare department on request of the WDCW dept. Home Science information through mass media (TV, Radio and Press) for awareness creation.

## **OBJECTIVE 4**

To disseminate Home Science information to personnel of different sectors.

### **ACTION PLAN**

Bring out the CAFT News letter for circulation among the line departments and the organizations involved in home science related programmes.

Special issues of news letters on the topics related to the proposed training will be taken up to give lots of pre-orientation to the training. Latest developments in the department Apparel and Clothing, Foods & Nutrition, Resource Management and Consumer Sciences, Human Development & Family Studies, Home Science Extension and Education Management will be brought out.

These will be made access to public through CAFT web portal.

CAFT web portal will be updating CAFT web portal will be taken up time to time.

#### **IV. Budget Proposal for the year 2015-16**

S. No.	Particulars	Amount (Rs.)
1	21 days training	3,75,000.00*
2	TA / DA	30,000.00
3	Purchase of books	35,000.00
4	Recurring contingencies	2,40,000.00
5	Staff Salary	4,00,000.00
	<b>GRAND TOTAL Rs.</b>	<b>10,80,000.00</b>

**\*Amount allocated for 21 days training - boarding and lodging is absolutely inadequate with the increase in cost food. Request for increase of this amount to Rs400/- instead of Rs.200/- day /participant.**

**(RUPEES TEN LACS AND EIGHTY THOUSAND ONLY)**