

DEPARTMENT OF STAND

ST.XAVIERS COLLEGE (AUTONOMOUS), PALAYAMKOTTAI



STAND-DST PROJECT REPORT (2013-2016)

Our college has set up an incubation centre under the initiative called LAB TO LAND programme in the Student Training and Action for Neighbourhood Development (STAND) centre which is committed to demonstrate, train and empower the weaker sections of the nearby local communities, especially women self-help groups of STAND adopted villages. The facilities and the equipment were developed with the help of the research grant received from Department of Science and Technology, Government of India for the project entitled 'Socio-economic empowerment of self-help group women in stand adopted villages through compost, biofertilizer and biogas production in Tirunelveli district in Tamil Nadu'. Training is provided on vermicomposting, Azolla production, bio-gas production, Ornamental fish culture, spirulina (Blue green Algae) production and tissue culture of medicinal plants. The students and faculty members of our college have full access to the facilities available in this incubation centre for the purpose of learning and training. Along with the director and the coordinators of STAND centre, the second year undergraduate students, the first year Postgraduate students and faculty members from the respective departments are involved in transferring the skills and knowledge that this incubation centre has developed. The survey of student participation in DST-STAND activities between June 2013 and April 2018 clearly indicates that a total of 5,662 students took part in the village visits and camps, out of which 3,095 were women students and 2,567, were men students.

This incubation centre helps the farmers of the STAND adopted villages in installing vermicompost pit, Azolla tank, Spirulina tank, bio gas plant and bio-fertilizer pit in their own land, backyards or a common space in the village, by giving them hands-on training in both production and marketing of the products. The training workshops were conducted by Dr. John De Britto, Associate Professor of Botany, Dr. S. V. L. Micheal, Associate Professor of Economics and the programme coordinators through video clips, power point presentation and demonstration. Totally, 737 women from STAND adopted villages participated in the awareness and training programme both in the college STAND centre and in their respective villages. On the whole 35 women self-help groups were formed in STAND adopted villages and trained for the production of vermicompost, Azolla, Spirulina, biofertilizer and biogas. Several meetings

were organised to bring together aspiring women entrepreneurs and the bank managers for helping them to avail loans to install the facilities for production and marketing. Thirty one members from women self-help groups were selected for availing loan facility.

Funds:Rs. 34, 70, 000, funding agency: Department of Science and Technology, New Delhi.

Equipment available:

1. Autoclave Vertical (40*60 cm inches 16'*24' 4Kw)
2. Laminar Air flow Chamber (bench horizontal model 3'*2'*2')
3. BOD incubator-Digital
4. Green Sets (2)
5. Rotary Shaker (180 RPM)
6. Hot air oven (1500 W)
7. pH meter (3)
8. Refrigerator (double door)
9. Water quality analyser
10. Water Bath (28 lt) (1)
11. Fish tanks (6)
12. Vermicompost pit (2)
13. Azolla tank (3)
14. Biogas plant (2)
15. Spirulina tank (1)
16. Spade (2)
17. Crowbars (2)
18. Bikes (2)

Facilities:

1. Separate block
2. Director room
3. Seminar Hall
4. Store room
5. Laptops (2)
6. LCD projectors (2)
7. White Board
8. Home Theatre
9. Computer (2)
10. Printer (2)
11. UPS (2)
12. SONY Handicam Camera

13. NIKON Camera
14. Telephone (2)
15. Notice board
16. Smart classroom

Students :5622 (2013-2018)

Faculty members: 151 each faculty from one department (2013-2018)

Main Faculty members:

1. Dr. A. John De Britto
Associate Professor, Department of Botany, St. Xavier's College,
Palayamkottai-627 002
2. Dr. S. V. L. Michael
3. Associate Professor, Department of Economics, St. Xavier's College, Palayamkottai-627
002
4. Dr. T. Sahayaraj
5. Assistant Professor of Anthropology, Department of Folklore, St. Xavier's College,
Palayamkottai-627 002
6. Dr. K. Sahayaraj
Associate Professor, Department of Zoology, St. Xavier's College, Palayamkottai-627
002

Staff: Director and programme coordinators (1 + 2 at any given time).

Directors:

1. Rev. Dr. T. Sahaya Raj (2012-2014)
2. Rev. Dr. Arockiasamy (2014-2017)
3. Rev. Dr. T. Sahaya Raj (2017-till date)

Programme Coordinators:

1. R. Rajesh (2012 - 2015)
2. R. Karuppiah (2012-till date)
3. Y. Arvind Raj (2013-2014)
4. S. Reehan (2015-2016)
5. B. Athankaraiyan (2014-2015)
6. S. Sudalai Raj (2015-till date)

Industry representatives:

1. Lead Bank, Tirunelveli

2. District Industrial Center, Tirunelveli
3. District Rural Development Agency, Tirunelveli
4. Enterpreneurial cell, Tirunelveli

Linkages:

1. Lead Bank, Tirunelveli
2. District Industrial Center, Tirunelveli
3. District Rural Development Agency, Tirunelveli
4. Enterpreneurial cell, Tirunelveli
5. ExNoRA, Tirunelveli
6. Vivekanda Kendra, Kanyakumari
7. District Self Help Groups Marketing center, Tirunelveli
8. Tirunelveli Social Service Society, Tirunelveli
9. Agricultural Farms

Training workshops held in St. Xavier's College



1. Inauguration of Training workshops through DST-STAND project





2. Invitations sent to village people



3. Villagers attending training workshops



4. Faculty members and villagers attending training workshops

Department of STAND

St. Xavier's College (Autonomous), Palayamkottai

Entrepreneurship Development Team

Sno	Date	Departments Name	Male Students	Female Students	Total no. of Students
01	26/10/2013	BA English	21	42	63
02	16/11/2013	BSc Botany	15	17	32
03	23/11/2013	MA English	8	21	29
04	04/01/2014	BSc Physics	29	20	49
05	11/01/2014	BSc Chemistry	21	27	48
06	18/01/2014	BA Tamil	13	14	27
07	01/02/2014	MSc Botany	4	13	17
08	01/02/2014	BSc. Zoology	20	21	41
09	08/02/2014	BSc Computer	25	17	42
10	01/03/2014	MA Folklore	2	3	5
11	09/03/2014	MSc Botany	7	11	18
12	09/08/2014	BA Economics	38	22	60
13	21/08/2014	BCom	41	22	63
14	01/11/2014	BSc Computer Sciences	28	20	48
15	08/11/2014	MSc Mathematics	09	16	25
16	08/11/2014	BBA	36	23	59
17	15/11/2014	MSc Computer Sciences	13	11	24
18	20/12/2014	BCom Corporate Secretaryship	35	28	63
19	03/01/2015	MCom	10	17	27
20	10/01/2015	MA Tamil	06	10	16
21	24/01/2015	MSc Zoology	07	15	22
22	31/01/2015	MSc Mathematics	07	18	25

WORKSHOPS CONDUCTED BY STAND

Year	Initiatives Taken To Engage With And Contribute To Local Community	Date And Duration Of The Initiative	Issues Addressed	Number Of Participants
2013	Workshop on women empowerment through entrepreneurial skill formation phase i	26-10-2013	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2013	Workshop on women empowerment through entrepreneurial skill formation phase ii	16-11-2013	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2013	Workshop on women empowerment through entrepreneurial skill formation phase iii	23-11-2013	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase iv	04-01-2014	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase v	11-01-2014	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase vi	18-01-2014	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill	01-02-2014	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team

	formation phase vii			
2014	Workshop on women empowerment through entrepreneurial skill formation phase viii	08-02-2014	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase ix	01-03-2014	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase x	09-03-2014	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase xi	09-08-2014	Production and marketing of Azolla and vermicompost	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase xii	23-08-2014	Production and marketing of spirulina, Bio--gas production, fish culture	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase xiii	01-11-2014	Production and marketing of spirulina, Bio--gas production, fish culture	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill formation phase xiv	08-11-2014	Production and marketing of spirulina, Bio--gas production, fish culture	Entrepreneurship Development Team
2014	Workshop on women empowerment through entrepreneurial skill	15-11-2014	Production and marketing of spirulina, Bio--gas	Entrepreneurship Development Team

	formation phase xv		production, fish culture	
2014	Workshop on women empowerment through entrepreneurial skill formation phase xvi	20-12-2014	Production and marketing of spirulina, Bio--gas production, fish culture	Entrepreneurship Development Team
2015	Workshop on women empowerment through entrepreneurial skill formation phase xvii	03-01-2015	Production and marketing of spirulina, Bio--gas production, fish culture	Entrepreneurship Development Team
2015	Workshop on women empowerment through entrepreneurial skill formation phase xviii	10-01-2015	Production and marketing of spirulina, Bio--gas production, fish culture	Entrepreneurship Development Team
2015	Workshop on women empowerment through entrepreneurial skill formation phase xix	24-01-2015	Production and marketing of spirulina, Bio--gas production, fish culture	Entrepreneurship Development Team
2015	Workshop on women empowerment through entrepreneurial skill formation phase xx	31-01-2015	Production and marketing of spirulina, Bio--gas production, fish culture	Entrepreneurship Development Team