

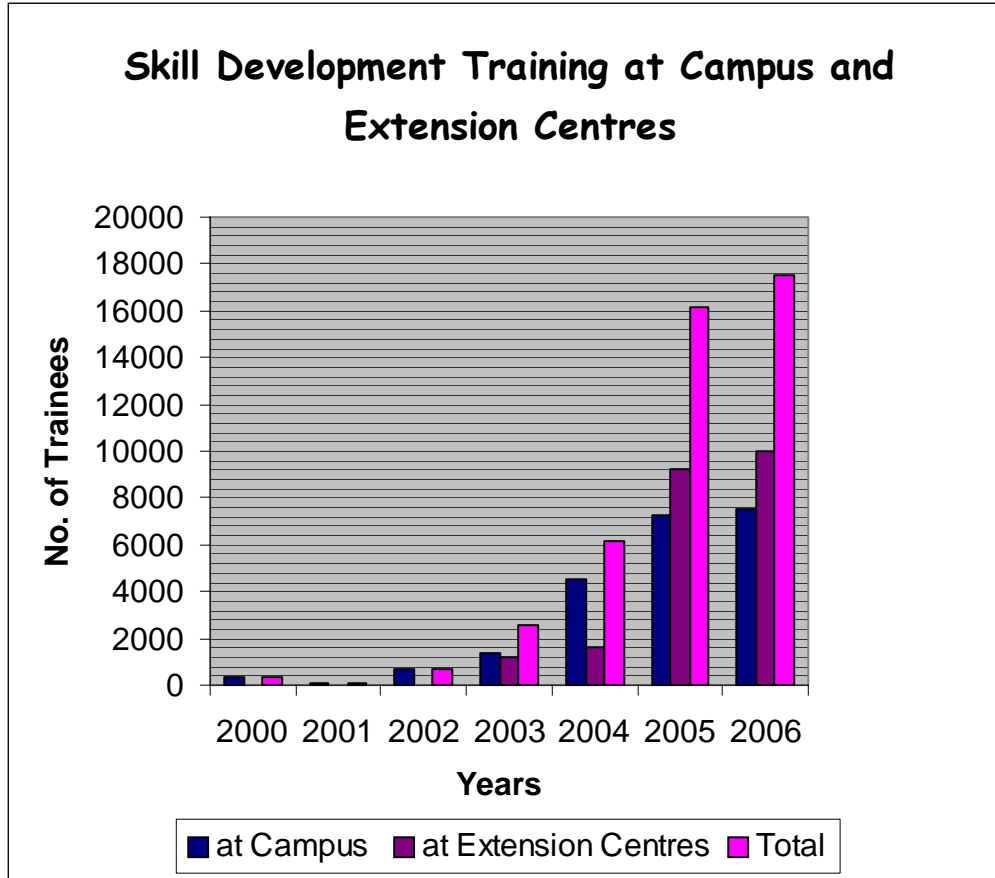
**"MODERN TECHNOLOGIES FOR MASSIVE VOCATIONAL TRAINING
FOR EMPOWERING RURAL YOUTH FOR SUSTAINABLE LIVELIHOOD
---- a success story of SRTRI"**

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INTRODUCTION:

The skill development and vocational training programmes were started by the Institute in the year 2000 with twin objective of training and empowering the rural youth through skill development at Campus; and also by imparting training at the door steps of rural youth by starting number of Extension Training Centres in rural areas. In fact, the actual Training Programme was started by the Institute at its Campus with a meager strength of 344 in 2000, 120 in 2001 and 699 in 2002. The momentum was picked up in the year 2003 by training 2561 candidates by starting 10-Extension Training Centres in rural areas. Further, with the diversification of trades involving varied technologies at its Campus and also increasing Extension Training activities the strength of trainees has catapulted to present multi-dimensional growth by registering phenomenal increase in the projected strength of the trainees to 17,496 by 2006; This could be possible with the increase of present on going 70-Extension Training Centres to 100 Centres by December 2006. The histogram given below indicates steep increase in the strength of the trainees from 2003 onwards. The annual projections by the end of 2006, would be touching an attractive figure of 17,496 trainees.

Progress in Skill Development Training Programme



i) Demographic Dimension of Youth Unemployment in A.P.:

The total population of Andhra Pradesh is estimated to be around 800.00 lakhs(8.0 Crores) out of which the rural youth constitutes about 30%, i.e. 240.00 lakhs, falling within the age group of 16-35. From out of this, about **10% rural youth are still unemployed**, who belongs to vulnerable economic strata of the society, consisting of uneducated, semi-educated and ill-educated or illiterate groups. More importantly, among this youth about 30% of them are unemployed and are desperate. Mostly, they are hailing from lower middle classes and from families living *below poverty line*, amounting to **7.20 lakhs of poor unemployed rural youth** (both boys and girls).

There is no planned programme/scheme with well defined objectives to utilise such a huge human resource (10% of total population). Situation demands that

the respective governments, U.N. agencies, NGOs, social workers, local bodies, etc., should address this problem on priority basis for exploiting the “potential of the youth” for nation building activity and sustainable livelihood.

ii) Impact on Socio-Economic Scenario:

As such, the unemployment problem of rural youth need to be addressed by equipping themselves with rural friendly technologies; through **skill development and capacity building, so that they can get some gainful employment or start their own enterprise.** Perhaps, such intervention may decisively help to **pull them above poverty line.** In this context, the skill development training to rural youth is of immense value and assumes significance in bringing out revolutionary changes in socio-economic scenario of rural areas. A sincere effort in this direction would not only pave the way for economic rejuvenation but also create congenial social atmosphere for improved societal relationship and uplift the economy by blowing fresh breeze into rural life and the life of desperate youth.

iii) Diverting rural youth from Distraction:

Thereby, the younger generation with full of energy, talent, creativity and volatile psychological fervor will be provided with a positive direction to earn decent livelihood; so that the vulnerability of their distraction to destructive/ extremist/ antisocial activity will be averted.

In the absence of appropriate avenues, such unemployed but potential youth, who are desparately seeking livelihood is **likely to be frustrated and charmed with extraneous methods for income generation.** Very often they are attracted towards:

- a) anti-social and unlawful activities
- b) extremist philosophy and
- c) fractional politics

In achieving social harmony and economic development in rural areas, the short term Training Programmes tailored by the Institute play pivotal role in providing solace to the frustrated minds.

The above category of frustrated and estranged boys and girls will be looking forward for some livelihood for income generation, so that they can lead socially

respectable life in the villages. This kind of potential human resource with talent, creativity and inexhaustible energy should be **transformed into income generating force** for better livelihood. Thereby, the unemployed rural youth can be involved in positive nation building activity, so that they may not be attracted by anti-social activities or frustrated into extremism. On behalf of our Institute I wish to give:

“Clarion Call ----- to the organisers of this Global Youth Employment Summit-2006 and also the leaders of the governments to focus on harnessing potency of youth for establishing ever lasting peace and prosperity”.

SKILL AND VOCATIONAL TRAINING BY SRTRI

i) Objectives Of The Institute:

It is estimated that about 7.5 lakh rural youth in A.P., India are unemployed. The estranged rural unemployed youth (boys and girls) include;

- * Those who are deprived of higher education
- * Those who are hailing from vulnerable economic background
- * Those who feel that their pursuits of higher education will not lead to assured livelihood with sustainable income.

ii) Training in Skill Development:

The Campus of Swamy Ramananda Tirtha Rural Institute is located in a sprawling 100 acres area with richly experienced faculty involved for imparting training in skill development programmes and capacity building. The Institute has well equipped laboratories, classrooms, library, hostels and other infrastructural facilities.

The skill development training programmes are conducted both at:

- (a) Campus and***
- (b) Extension Training Centres (located in rural areas).***

As on to-day, in addition to the Vocational Training Programmes are conducted at the Campus; the Institute has already established 70 on-going Extension Training Centres in rural areas. The number would be touching an attractive figure of 100 by December,

2006. The main objective of opening Extension Training Centres is to **take the training to the door-steps of rural unemployed youth** in the Districts of A.P. At present, our rural Extension Training Centres are spread over 10-Districts 1) Nalgonda, 2)Mahaboob Nagar, 3)Ananthapur, 4)Ranga Reddy, 5)Nizamabad, 6)Warangal, 7)Krishna, 8)West Godavari, 9)Karim Nagar, 10)Gunture, etc.

iii) Technology Adopted For Training:

The technologies are chosen for their wide spread application and market driven nature of the value added products. The candidates for these technologies are selected on the basis of their innate ability and interest.

Swamy Ramananda Tirtha Rural Institute has already developed technologies for skill development and capacity building and trained about 60,000 candidates. In accomplishing the objectives of skill development and capacity building, the training modules with access to modern technologies and equipment are provided to each beneficiary to build-up confidence levels through following methods of training:

- **Hands on experience with modern instruments and technologies**
- **Audio Visual Methods.**
- **Core training on the basis of individual evaluation.**
- **Awareness on HIV, AIDS, Health, Sanitation and Hygienic conditions.**
- **Development of communication skills, marketing skills through Entrepreneurship Development Programmes and personality development.**
- **Specialised lectures on community development and Self Help Groups.**

iv) Methodology:

The skill development training programmes are conducted by the following two methods:

- a) **Direct class Room Training and**
- b) **Distance Mode Electronic Connectivity by ISRO.**

i) Direct Class Room Training:

At present, direct class/lab training in skill development is conducted by Instructors at Campus and 70-Extension Training Centers, by way of direct interaction with Trainees.. The technologies already developed and used by the Institute will be adopted at all these Training Centres.

ii) Distance Mode Electronic Connectivity by ISRO*:

The Distance Mode Electronic Connectivity and with Video Conferencing facility is proposed to be established by ISRO*, Dept. of Space, Govt. of India at our Campus with initial connectivity to about 96-VRCs in Andhra Pradesh, by utilizing the technology of *V-SAT Electronic connectivity*, sponsored by ISRO*.

V-SAT Electronic Connectivity by ISRO*:

As the Indian Space Research Organisation, Dept. of Space, Govt. of India has selected our Institute as “*Expert Nodal Agency*” for providing ***EXTENSION TRAINING IN SKILL DEVELOPMENT***. The unemployed youth can be benefited by Video conferencing on skill development through Distance Mode Training in livelihood, with the help of access provided to about 96-VRCs(Village Resource Centres) proposed to be established by ISRO. The VRCS are spread all across the state of Andhra Pradesh and Orissa. On 10th May 2006 the ISRO has entered into an MOU with the Institute.



Administrative Building

* Indian Space Research Organisation, Dept. of Space, Govt. of India.

The following Training Programmes are conducted by the Institute:

a) Skill and Vocational Training Programmes at Campus

b) Rural Extension Training Centres (at 70-villages)

c) Distance Mode Electronic Training:
(Exclusive V-Sat Connectivity By ISRO)

d) Proposed New Training Programmes

a) SKILL AND VOCATIONAL TRAINING PROGRAMMES AT CAMPUS:

The course-wise details about the Skill Development Training Programmes at the Campus is given below:

1. Rural Engineering

S No	Training Programme	Eligibility	Duration	Remarks
1.	Electrician Trade	10 th Class	3 months	For Boys
2.	Radio, TV, Cell Phone & Other Electronic Appliance Repairs	10 th Class	3 months	For Boys
3.	Automobile Mechanism – Diesel	10 th Class	3 months	For Boys
4.	Solar Energy	10 th Class	3 months	For Boys & Girls

2. Information Technology

5.	MS Office and Accounting Package (Tally)	Intermediate	3 months	For Boys & Girls
6.	Multi-media (DTP) and Web Designing	Intermediate and MS Office	3 months	For Boys & Girls
7.	Computer Hardware Mechanism	Intermediate	2 months	For Boys & Girls

3. Textile and Surface Ornamentation

8.	Garment Making & Embroidery	5 th Class	3 months	For Girls
9.	Garment Manufacturing (Juki)	5 th Class	3 months	For Girls
10.	Zardozi	5 th Class	3months	For Girls
11.	Quilts & Bags Making	5 th Class	3 months	For Girls

4. Other Programmes (Provided as part of every training Programme)

1.	Processing and Preservation of Fruits, Vegetables and Forest Produce	5 th Class	8 days	For Girls
2.	Nutrition, Health and Hygiene	5 th Class	8 days	For Boys & Girls
3.	Rural Entrepreneurship Development	10 th Class	8 days	For Boys & Girls

b) TRAINING PROGRAMMES AT EXTENSION TRAINING CENTERS:

The following training courses are offered at the door-steps of rural beneficiaries, as per the availability of logistics.

On-Going Training Programmes at 70-Extension Centres

Sl. No.	Name of the course	Duration	Working hours per week	No. of Centres
1	Electrician Trade	3 Months	36	18
2	Information Technology	3 Months	36	3
3	Garment Making & Embroidery	3 Months	36	25
4	Zardozi	3 Months	36	13
5	Quilts & Bags Making	3 Months	36	6
6	Textile Printing & Dyeing	3 Months	36	5
Total No. of Rural Extension Training Centres				70

**c) DISTANCE MODE ELECTRONIC TRAINING:
(Exclusive V-Sat Connectivity By ISRO)**

In addition to the distance mode skill development through 95- VRCs, the on-going 70- Rural Extension Training Centres will be counseling the rural people on the advantages of utilising the Extension Service facility available with our Institute for quick Transfer of Technology, with emphasis on:

- a) Livelihood and Vocational Training, b) Agricultural Productivity,*
- c) Handloom Sector and d) Solar Energy etc.*



Transfer of Technology – Lab to Land

The following extension service facilities are available at our **Transfer of Technology – Lab to Land.**

- a) *SEED QUALITY TESTING BY DNA- FINGER PRINTING*
- b) *COMPUTERISED Textile Designing and Net working*
- c) *SOIL TESTING*
- d) *FOOD PROCESSING*
- e) *SOLAR ENERGY*

d) PROPOSED NEW TRAINING PROGRAMMES :

Proposed New Training Programmes at Campus are:

- i) *Diploma in Seed Quality Testing (6-months) and*
- ii) *Textile Designing & Networking (4-months)*

i) Diploma in Seed Quality Testing:

Seed Quality Testing by DNA-Finger Printing Lab is established with an objective of protecting the farmers from spurious seeds. The Seed Quality Testing laboratory established at the Institute will act as ‘ambudsman’ in checking the entry of genetically inferior seeds into the market. In accomplishing this objective, the institute has established world class **Seed Testing Laboratory** with the state-of-art technology with **DNA- Finger Printing** facility. It creates direct access to the farmers to **test the genetic quality of the seed before sowing**. The Institute proposes to start 6-months Diploma course in “Seed Quality Testing” by utilising the available laboratory infrastructure and expertise.. The trained candidates can start their own Seed Testing Labs at district and mandal level.

ii) Computerised Textile Designing and Networking Course:

The Institute proposes to start the course on **Computerised Textile Designing And Networking**. A specialized software known as “**Auto Text-2000**” is used for this purpose; which has the instant capability of creating new designs, which are otherwise laborious and time consuming. It is valuable and modern intervention in handloom sector for evolving marketing strategies by weavers. Further, the networking facility assume significance in creating awareness on the latest designs, which are popular and demand-driven in the domestic and international market.

MODERN TECHNOLOGIES FOR SKILL AND VOCATIONAL TRAINING BY SRTRI:

I. RURAL ENGINEERING

The SRTRI is now running training programmes for the unemployed rural youth. It has developed well-equipped laboratories and richly experienced faculty for training.