

NAGALAND TOOL ROOM & TRAINING CENTRE DIMAPUR : NAGALAND

ACHIEVEMENT REPORT : 2016-17

1. SKILL DEVELOPMENT PROGRAMMES:-

i. **Border Area Development Programme (BADP) under Deptt. of DUDA.**

The Dept. of Underdeveloped Areas (DUDA) has sponsored 30 candidates for in house Welding Fabrication training (6 months) under Border Area Development Programmes at Nagaland Tool Room & Training Centre, Dimapur from 1st June to 30th November 2016.



Fig: Valedictory cum distribution of Machinerics to DUDA Trainees

ii. **Capacity Building & Technical Assistance (CB&TA) under Ministry of DoNER, New Delhi**

Under the CB&TA Programme of the Ministry of DoNER, Govt. of India, NTTC had successfully conducted 5 courses of job-oriented skill development where 200 educated unemployed youths have been trained during 2016-17. The Ministry has sponsored all expenses of training fees as well as foods & lodges of the trainees.



NTTC have provided job placement assistance to 162 passouts in various companies especially in Pune, Bangalore, Ahmedabad, Hyderabad, etc. as well as within Nagaland.

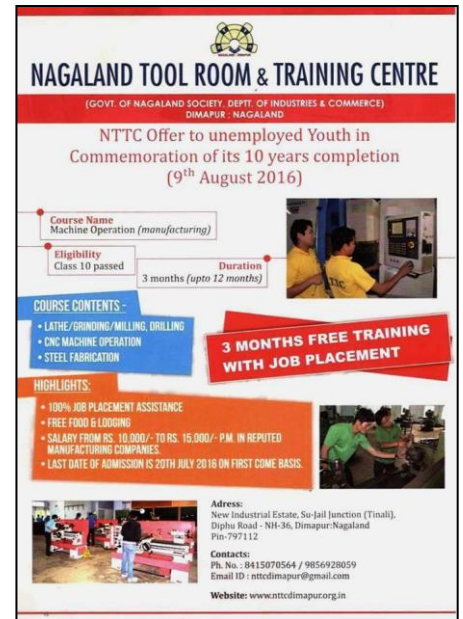
iii. **NTTC 10th Anniversary Sponsorship Training**

On account of its 10th Anniversary, NTTC has offered 3 months free residential training on Machinist course to unemployed youths. The same has been advertised in all local newspapers for invitation of any interested youths who were eligible. Altogether 38 youth have been trained in different Sectors viz;

- (i) Welding Fabrication - 8 candidates
- (ii) Conventional Machining - 21 candidates
- (iii) CNC operations - 9 candidates

The training was conducted from 1st Sept. to 30th Nov. 2016. On completion of training, 25 trainees were placed in different Manufacturing Industries in Pune, Maharashtra and 5 trainees were placed in Fabrication Units in Dimapur.

Fig: Pamphlet of NTTC 10th Anniversary training offer to Unemployed youth



iv. **Advance Machining Course (KPA, Zunheboto)**

Advanced Machining Course was conducted for 29 students of final year Diploma in Mechanical Engg. from Khelhoshe Polytechnic Atoizu, Zunheboto at Nagaland Tool Room & Training Centre, Dimapur during 05th Jan. 2016 to 18th Jan. 2016.



v. **Cane, Bamboo & Wood Based Cluster Development Training under NERTPS.**

The department of Industries & Commerce, Kohima have sponsored 250 artisans to undergo skill upgradation training on Cane, Bamboo & Wood Based Cluster Development Training under NERTPS during 2016-17.



Fig: Inaugural of Artisans training by Smti. N. Hushili Sema, Comm. & Secretary, Ind. & Com.



Fig: Hands on Practical training & display of finished products

2. DIPLOMA IN TOOL & DIE MAKING

The Centre has been conducting 4 years Diploma in Tool & Die Making course (including one year Industrial Training/OJT in reputed companies) since inception.

Diploma in Tool & Die Making (Govt. recognized and an equivalent to Diploma in Mechanical Engg.) 4 years course (3 years at NTTC, Dimapur and 1 year Industrial Training in a reputed organization outside the State).

The course have been approved by All Indian Council for Technical Education (AICTE), New Delhi since 2007-08. The Extension of Approval (EoA) of the course is rigorously followed yearly with the AICTE and the NTTC is one of the first Institutes in the State to obtain Approval online.

STATUS OF DIPLOMA STUDENTS

Batch/Year	Enrollment			Present Strength as on Feb. 2017
	Total	Boys	Girls	
Dip. 1 st Yr/2016 (10 th Batch)	48	46	02	31
Dip. 2 nd Yr/2015 (9 th Batch)	60	57	03	26
Dip. 3 rd yr/2014 (8 th Batch)	52	52	0	23
Dip. 4 th yr/2013 (7 th Batch)	50	50	0	23
G/Total	210	205	05	103



Fig: Group of DTDM students



Fig: DTDM students Industrial visit to CIPET, Imphal during 2016.

ON- JOB-TRAINING REPORT

The Nagaland Tool Room & Training Centre, Dimapur with support of the government of the day endeavored the job-oriented training programme imparting Diploma in Tool & Die Making (3+1 year course) since 2007. During the 1st week of July 2016, 20 Nos. of Diploma final year students were selected for undergoing On-the-Job training in 5 (five) Manufacturing Companies in Pune, Maharashtra and 3 (three) in Nagaland. Final year diploma students were attached to manufacturing companies where they could earn while learning somewhere around Rs.8000/- to Rs.15000/- as stipendiary.

3. COMMUNITY COLLEGE UNDER AICTE

Through Community College Scheme under AICTE, Ministry of HRD, Govt. of India, NTTC has got approval for conducting of 3 (three) Vocational Diploma courses viz;

- (i) Automobile
- (ii) Manufacturing
- (iii) Electrical Equipment Maintenance

The duration of the 3(three) courses are 1000 hours each and curriculums as per National Skill Qualification Framework (NSQF).

A total of 100 students have been enrolled under Manufacturing (50 students) and Automobile (50 students) courses during 2016-17.

Electrical Equipment Maintenance course has been approved in the 2nd Phase and enrollment is in progress.



Fig: (Left) Inaugural of Automobile workshop by Shri. I. Bendangliba, Director, Ind. & Com. and (Right) Practical Training in Progress

4. JOB PLACEMENT

The NTTC with support of the government of the day endeavored the job-oriented training programme imparting Diploma in Tool & Die Making (DTDM) (3+1 year course), Self Employment Training under North East Rural Livelihood Project (NERLP), MES courses under National Council of Vocational Training (NCVT), DoNER sponsorship courses under Scheme Plan of Capacity Building & Technical Assistance, Entrepreneurship Skill Development Programme (ESDP) courses and Agencies/Private Sponsorship courses, where NTTC have achieved 90% placement to the pass outs students in various manufacturing Companies in and outside the State.

5. PERSONALITY & MOTIVATIONAL PROGRAMMES

i. Seminar on “Character a Tool to build solutions for Society” - Initiatives of Change

A one day Seminar about Human Resource Development on “Character a Tool to build solutions for Society” for building character on social entrepreneurs for the students/trainees was conducted on 12th May 2016 at NTTC premise.

A total of 150 students attended the programme.

Resource persons for the seminar were a five member team comprising Freddy Bodmer from Switzerland, Stephania Menezes from Kuwait, Anuo Pawar from Pune, Gaurav Sah from Nainital, and Wangyal from Tibet from Initiatives of Change; Vitono Haralu who is also a member of the team and the director of Pathfinders, a Nagaland based NGO.

ii. Workshop on “Mind Education”

A motivational workshop on “Mind Education” for the trainees of NTTC was held on 15th Nov. 2016 at Seminar Hall, NTTC, Dimapur with Hyeonyong Choi- Pastor, International Youth Fellowship as Recourse Person.

6. SEMINARS/WORKSHOPS

i. Workshop on “Eco friendly societal benefits of Plasmas Technology”

About 50 delegates (faculties & students of NTTC) attended the Workshop on “Eco friendly societal benefits of Plasmas Technology” was organized by Nagaland Science & Technology Council, Govt. of Nagaland, Kohima on 13th Oct. 2016 at NTTC, Dimapur with Dr. Ing. Suryakant B. Gupta, Facilitation Centre for Industrial Plasma Technologies (FCIPT), Institute for Plasma Research (IPR), Gandhinagar, Department of Atomic Energy (DAE), Government of India as Resource Person.



Fig: Resource Person Dr. Gupta delivering lecture

7. APPROVALS, AFFILIATIONS & EMPANELMENTS

NTTC have so far successfully obtained following affiliations/ empanelment/ approval from/with various Statutory Councils/ Organizations/ Associations to pursue its aims & objectives;

i. **International Standard Organization (ISO)**

NTTC has been assessed by International Benchmarking and Certification for compliance to provide training for Mechanical Engg., Tool & Die Making Technology, Skill Development Programme and render service to industries through production, design & consultancy services.

Certificate No : QM/1602NO/1686

Dated of Approval : 02/02/2016

Date of expiry : 01/02/2019

ii. **All Indian Council for Technical Education (AICTE), New Delhi**

The All Indian Council for Technical Education (AICTE), Ministry of Human Resource Development, New Delhi has granted the approval (EoA) vide F/No: F.No. Eastern/1-2811559486/2016/EOA, Dated- 30 April 2016 to Nagaland Tool Room & Training Centre for conducting of Diploma in Tool & Die Making course which is rigorously followed yearly for extension of approval on annual basis.

iii. **Sector Skill Council - Capital Goods Skill Council (CGSC)**

NTTC has affiliated as Training Partner under Capital Goods Skills Council (CGSC) under National Skill Development Council (NSDC), Ministry of Skill Development & Entrepreneurship, New Delhi for conducting skill training programme aligned with NSQF curriculum vide F/No.CGSC/TP-REG/06-FY 16/00/797112.

iv. **Empanelment of Project Institute under NIESBUD**

NTTC has empanelled as Project Institutes for National Entrepreneurship Resource and Co-ordination Hub (National E-Hub) under Pradhan Mantri YUVA Yojana during 2016-17. Presently it is under assessment process by Quality Council of India, New Delhi.

v. **Skill Management & Accreditation of Training Centre (SMART)**

The NTTC has successfully registered as Training Provider.

Training Centre Accreditation & Affiliation with Sector Skills in Progress for which the NTTC is undergoing intensive preparation of the campus infrastructure.

vi. **Community College under AICTE:**

Ministry of Human Resource Development, New Delhi through the All Indian Council for Technical Education (AICTE), have granted permission and supported Diploma vocational programme for the following trade;

i). Manufacturing, ii). Automobile, iii). Electrical Equipment Maintenance.

The duration of the courses are 1000 hours for each of the Diploma levels I, Diploma levels II, and Diploma levels III. Curriculums are as per National Skill Qualification Framework (NSQF).

8. UPGRADATION PROGRAMME OF NTTC

During the visit of Hon'ble Union minister for Micro, Small and Medium Enterprises (MSME), Shri. Kalraj Mishra on 27th Feb. 2016 has announced ₹ 10.00 crore package for the upgradation of Nagaland Tool & Training Centre, Dimapur.

Accordingly, NTTC has prepared and submitted a proposal to the Ministry of MSME for Upgradation Programme under Scheme for "Promotion of MSMEs in NE Region and Sikkim" with a total project cost of ₹ 12.86 crore on the basis of 90:10. The State share has been worked out at ₹ 2.86 crore. Toward this, the Govt. of India has sanctioned the 1st installment towards non-recurring Grant-in-Aid and the work is in progress.

9. PERFORMANCE DURING 2016-17

i). Innovation & Development:

Year	Names of Machines/Equipments
2016-17	<ul style="list-style-type: none"> i. Smokefree Meat Dryer ii. Bamboo shoot Slicer iii. Tapioca Slicer iv. Vegetable Slicer cum Crusher v. Chaff Cutter vi. Corn Sheller

ii). No. of Organization Assisted:

Year	No. of Jobs Undertaken	No. of Units Benefited	No. of Innovators/Entrepreneur Benefited
2014-15	35	26	21
2015-16	30	24	21
2016-17	65	40	30

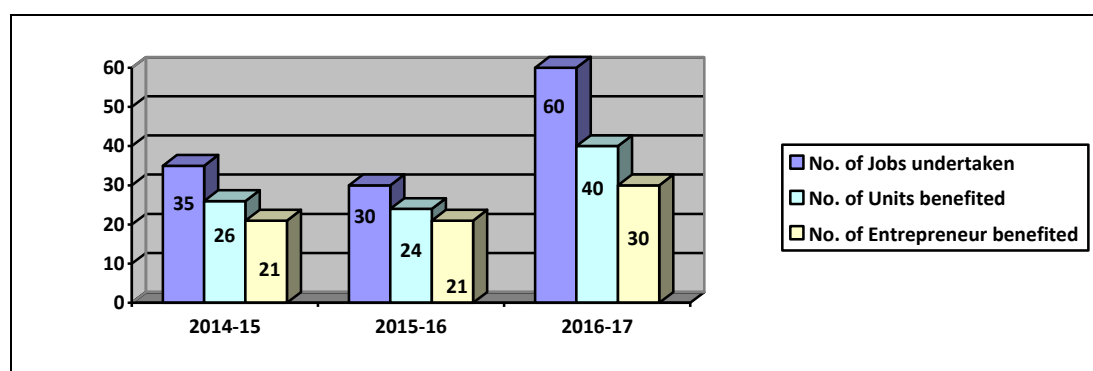


Table 1. No. of Organization Assisted

iii). Training Month Generated:

Year	Man-Month or Day	
	Long Term (Man-months)	Short Term (Man- Days)
2014-15	1476	16420
2015-16	1548	5900
2016-17	1236	10940

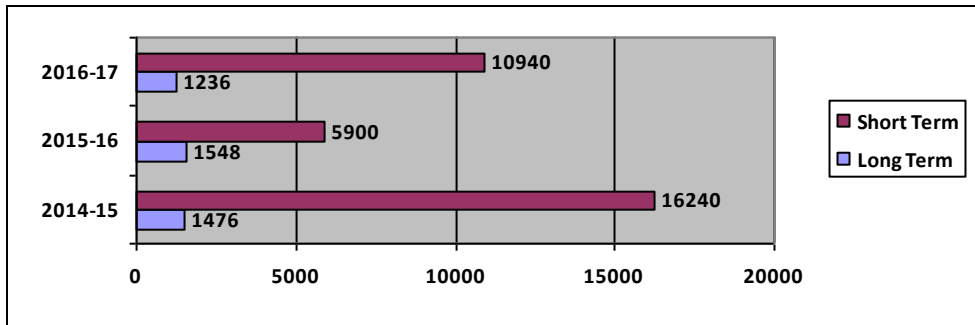


Table 2. Training Man-Months and Man-Days Generated

iv). No. of Trainees Trained:

Academic Year	No. of Trainees	
	Long Term	Short Term
2014-15	130	821
2015-16	129	295
2016-17	103	547

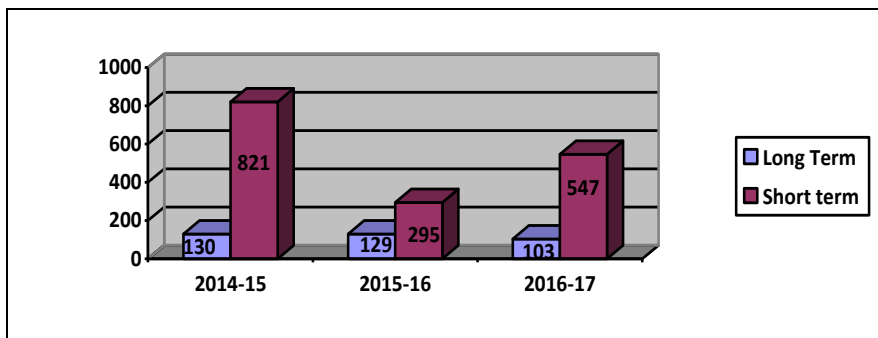


Table 3. Number of Trainees trained

10. **RURAL TECHNOLOGY DEVELOPMENT CELL**

Through the Technology Innovation Cell NTTC is exploring the possibility of developing need based technology with innovative ideas which are practical for rural up-liftment and socio-economic development of the society. Accordingly NTTC has successfully developed some Technologies/Machines and for which marketing prospects are been in the look out within and outside the State.

i. **Smokefree Meat Dryer**

- ✚ Used for drying and roasting of meat/fish/maize etc.
- ✚ It is compact in structure.
- ✚ Hygienic method of drying as there is no direct contact with flames/smoke.
- ✚ Simple to operate and has no maintenance cost.



Fig: Launch of Smokefree Meat Dryer by Smti. N. Hushili (IAS), Secretary, Deptt. of Ind. & Com.

ii. Bamboo Shoot Slicer

- ✚ Used for slicing and crushing of bamboo shoot.
- ✚ Simple and Hygienic.
- ✚ Suitable for food processing units.

Fig A: Bamboo Shoot Slicer



iii. Tapioca Slicer

- ✚ For slicing Tapioca in food processing units.
- ✚ Cost effective & high productivity.
- ✚ Hygienic and safe usage.

Fig B: Tapioca Slicer



iv. Roller Forming Machine

- ✚ Forming of sheet metal.
- ✚ Cost effective & high productivity.

Fig: Manually operated Roller Forming Machine



v. Chaff Cutter

- ✚ For cutting animal feeds.
- ✚ Suitable for use in animal farming.
- ✚ No operating cost.

Fig: Hand operated Chaff Cutter



vi. Vegetable Slicer cum Crusher

- ✚ Suitable for use in vegetable processing units.
- ✚ Stainless steel based parts for hygiene.
- ✚ Cost effective & high productivity.

Fig: Vegetable Slicer cum crusher



vii. Corn Sheller

- ✚ Suitably useful for farmers for corn shelling.
- ✚ Cost effective & high productivity.
- ✚ Easy to operate, high working efficiency, stable performance and simple structure.
- ✚ Corn Sheller machine has high threshing rate, more than 98%.

Fig: Corn Sheller

