



## Department of Employment and Training

The Department of Employment and Training, Tamil Nadu, functions under the administrative control of the Labour Welfare and Skill Development Department, Government of Tamil Nadu. The Department plays a dual role through its Employment Wing and Training Wing. While the Employment Wing caters to employment facilitation, career guidance and placement services, the Training Wing is primarily responsible for skill training, vocational education and the creation of a skilled workforce in alignment with the evolving needs of industries and the labour market.

The Training Wing administers Government and Private Industrial Training Institutes (ITIs), implements centrally sponsored and state-funded skill development schemes and ensures a continuous pipeline of technically skilled manpower for various sectors of the economy.

### Institutional Framework

#### Government ITIs

- 132 Government Industrial Training Institutes (ITIs) spread across the State.
- Offers training in 71 engineering and 24 non-engineering trades.
- The training curriculum is aligned with National Council for Vocational Training (NCVT) and State Council for Vocational Training (SCVT) norms.

#### Private ITIs

- 295 Private ITIs function across Tamil Nadu, providing training in trades approved by NCVT.
- These institutions are monitored and guided by the DET to ensure quality and uniformity of training standards.

#### Industrial Schools

- 134 Industrial schools, providing training in SCVT trades.

### Contact

**Department of Employment & Training**  
**Thiru.Vi.Ka Industrial Estate**  
**Alandur Road, Guindy**  
**Chennai - 600032.**



# MAKE IN ITI

**Empowering Innovation and Skill Development in  
Industrial Training Institutes**

**Department of Employment and Training**  
Labour Welfare and Skill Development Department  
Thiru. Vi. Ka Industrial Estate, Guindy, Chennai -32

## MAKE IN ITI INITIATIVE - MAKING OF LED LIGHT BULBS

**Make in ITI** initiative is aimed at encouraging innovation, skill enhancement, self-reliance, hands-on learning and skill development among the students of Industrial Training Institutes in Tamil Nadu. The Pilot Make in ITI project of Making of LED Light Bulbs was started in Government Industrial Training Institute, Gudalur involving the trade students of Wireman and Mechanic Electric Vehicle. The trainees of this institute are mainly from the nearby tea plantation villages and border villages of Kerala, where the youth easily earn their living by daily labour. To motivate the trainees and to lessen the drop-out ratio in the institute Make in ITI was introduced with the support of Institute Management Committee headed by Titan Industries. This project will support the initiatives of the Nilgiris District, promoting eco friendliness.

Students are trained in making the various LED bulbs under the supervision and guidance of expert instructors. Apart from assembling new bulbs, fused or repaired bulbs are also serviced to reduce the e-waste.

Bulk orders are also accepted



## MAKE IN ITI PRODUCTS OF GOVT. ITI GUDALUR



36W STREET LIGHT ₹ 690

9W LED bulb cool white ₹ 50

9W LED bulb Neutral white ₹ 55

T BULB 10W ₹ 155

30W LED bulb cool white ₹ 275

12W LED bulb cool white ₹ 95

12W LED bulb cool white ₹ 105

9W AC DC BULB ₹ 375

9W 12 V DC BULB ₹ 75

Night Bulb 0.5W Colour ₹ 32

20 W T5 Tube Light  
Neutral White ₹ 135

20 W T5 Tube Light  
Cool White ₹ 145

**For Bulk Orders Please Contact**

**Government Industrial Training Institute (ST),**

**Uppatti, Gudalur, Nilgiris – 643241**

**9499055709 | 9443174321**

## ASSEMBLING OF RUNNING LED DISPLAY & MVNR FOR BUS

The product identified for Make in ITI project in Government ITI Guindy is **Running LED Display for Bus**. As part of this initiative, trainees are engaged in the design and development of Running LED Displays and Mobile Network Video Recorders (MNVRs), equipping them with real-time industry skills and product development experience.

The Running LED Display in buses is a dynamic Information Display, which is Ideal for announcements, advertisements and public information systems. Also the students are involved in the assembly and installation of Mobile Network Video Recorder (MNVR), used for live monitoring and recording in buses, trains and other vehicles. Students are trained to assemble, test and wire the assembly in buses and other moving vehicles.

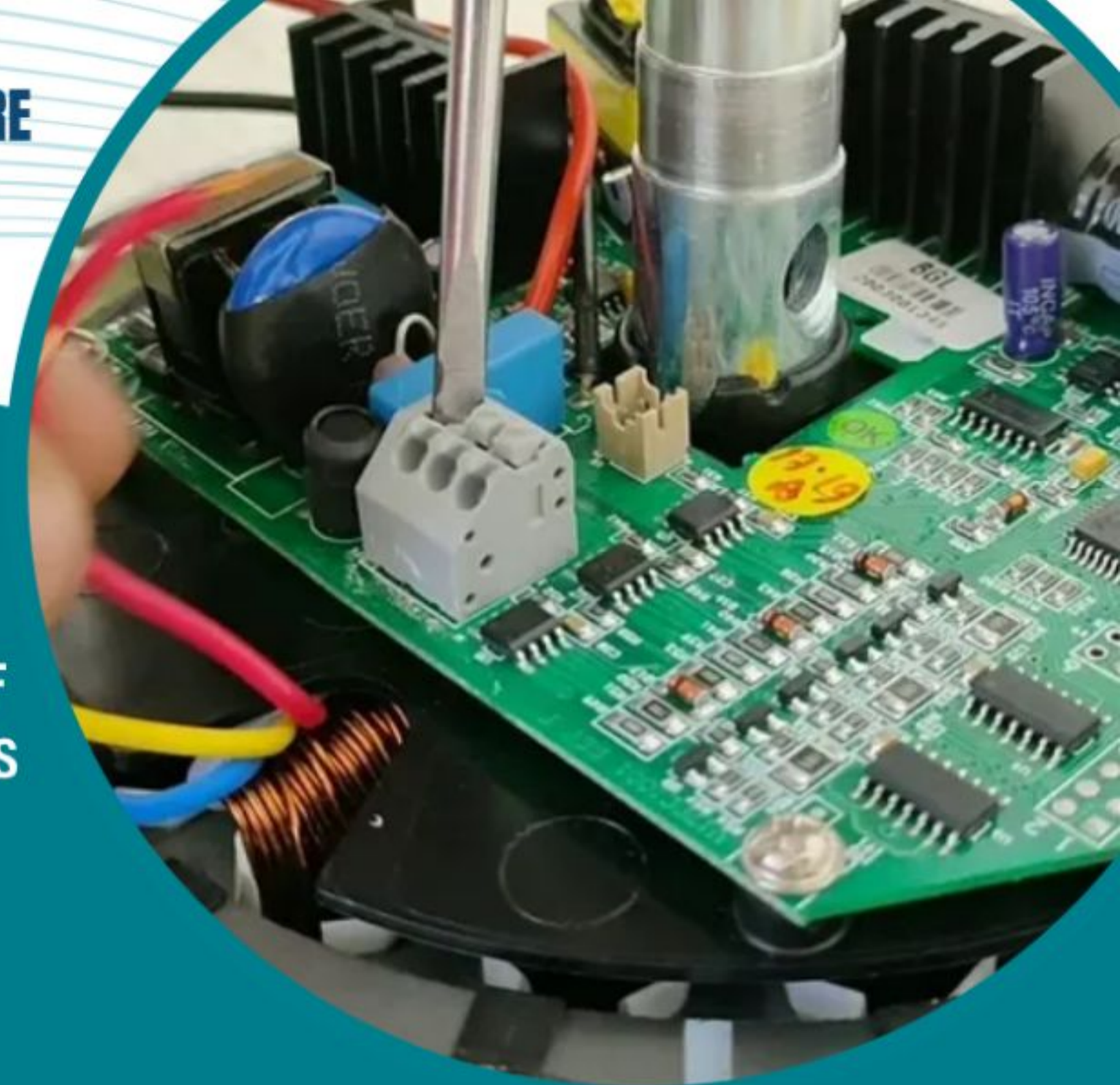
## GOVT. ITI GUINDY

Govt ITI Guindy,  
Thiru. Vi. Ka industrial Estate,  
Chennai -32  
guindyiti32@gmail.com  
9499055649

GOVT. ITI COIMBATORE  
9499055688



## MAKING OF BRUSHLESS DC FANS (BLDC)



The Government ITI, Coimbatore, has initiated the Make in ITI project by providing hands-on industrial exposure and entrepreneurial skills to students of the Electrician and Wireman Trades in the design, assembly and production of Brushless Direct Current (BLDC) fans. The initiative provides trainees with valuable hands-on exposure in modern electrical technology, covering motor assembly, wiring, PCB integration and testing. This project not only enhances the technical competencies of the trainees but also encourages indigenous product development promotes innovation, self-reliance and entrepreneurship.. BLDC fans consume 40–60% less electricity, operate silently and have longer durability compared to conventional fans, making them both eco-friendly and cost-effective. This project not only strengthens practical skills and industry readiness of students but also promotes innovation, self-reliance and entrepreneurship.

As part of the Make in ITI initiative, students of SMRV Government ITI women have taken up an eco-friendly project of stitching and making multi-utility heavy-duty sack bags by reusing old and discarded sacks. This initiative combines skill training with sustainable practices, encouraging students to develop useful products from recyclable materials.

The Multi-Utility Sack Bags are designed for carrying heavy loads, suitable for both domestic and industrial use. It promotes recycling by reusing old sacks, reducing plastic waste and environmental pollution. It will be useful for carrying groceries, agricultural produce, tools and everyday goods with an affordable alternative to commercial heavy-duty bags.

This initiative not only provides students with valuable skill-based learning but also contributes towards environmental conservation and social responsibility. The bags are sold at a wholesale price of Rs.25/- per unit.

### For Bulk Orders Please Contact

SMRV Govt Industrial Training Institute for women,  
PWD Road, Nagercoil - 629001  
smrviti@yahoo.com | 9499055807

## SMRV GOVT. ITI WOMEN NAGERCOIL



**MAKING RECYCLED MULTIUTILITY HEAVY  
DUTY SACK BAG**



**MERIT MEDALS  
MAKING**

The Government ITI, Ulundurpet, recognized as a Technology Centre, is equipped with state-of-the-art CNC machines capable of machining precision products. As part of the "Make in ITI" initiative, students of the institute are engaged in the design and manufacture of merit medals, which can be used for academic, cultural and sports awards.

CNC technology ensures high-quality, finely finished medals with intricate designs. Students will gain hands-on training in CAD design, CNC programming, machining and finishing techniques. The Medals produced can be utilized by schools, colleges and institutions for award ceremonies.

This initiative strengthens practical industry exposure for trainees while fostering creativity, innovation and entrepreneurship. The project also showcases how ITIs can contribute to both skill empowerment and product development. A medal costs Rs.70.

**GOVT. ITI ULUNDURPET  
9499055850**

## CONVERSION OF BI-CYCLE TO E-CYCLE

As part of the “Make in ITI” initiative, the students of Government ITI, Chengalpattu (Wireman Trade) have successfully undertaken an innovative project – the conversion of a conventional bicycle into an electric bicycle (E-Cycle).

The project demonstrates the creativity and technical skills of ITI trainees, highlighting their ability to design affordable and eco-friendly solutions for the community.

The students retrofitted an ordinary bicycle with:

- A hub motor and battery pack for propulsion.
- A controller system to regulate power supply.
- Throttle and brake integration for smooth operation.
- Basic wiring, circuit protection and safety features to ensure reliability.

This conversion project showcases the practical application of electrical wiring knowledge gained by students, while also addressing important social needs such as:

- Eco-friendly transport – reducing carbon emissions.
- Affordable mobility – low-cost alternative to motorbikes.
- Energy efficiency – minimal running cost.
- Skill innovation – preparing students for future opportunities in the EV sector.

By engaging in such projects, the students not only gain hands-on exposure to emerging technologies like electric mobility but also contribute to the green energy mission of the nation. This initiative reflects the core spirit of Skill India and positions Government ITI Chengalpattu as a hub of innovation and practical learning



**GOVT. ITI CHENGALPET**

**For Orders Please Contact**  
**Govt Industrial Training Institute Chengalpet,**  
**Vembakkam - 603111**  
**9499055673**