

Recognizing Skills through Recognition of Prior Learning Mechanisms: Practices and Issues



By
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LEARNING OPPORTUNITIES: A CASE OF TVET

Council for Technical Education and Vocational Training (CTEVT) is the apex body mandated to coordinate TVET programs in Nepal;

- Developed Curriculum (TSLC) 37
- Developed Curriculum (Diploma) 67
- Developed Curriculum (Short courses) 172
- Skill Standard 274
- Total TVET institutions under CTEVT 765

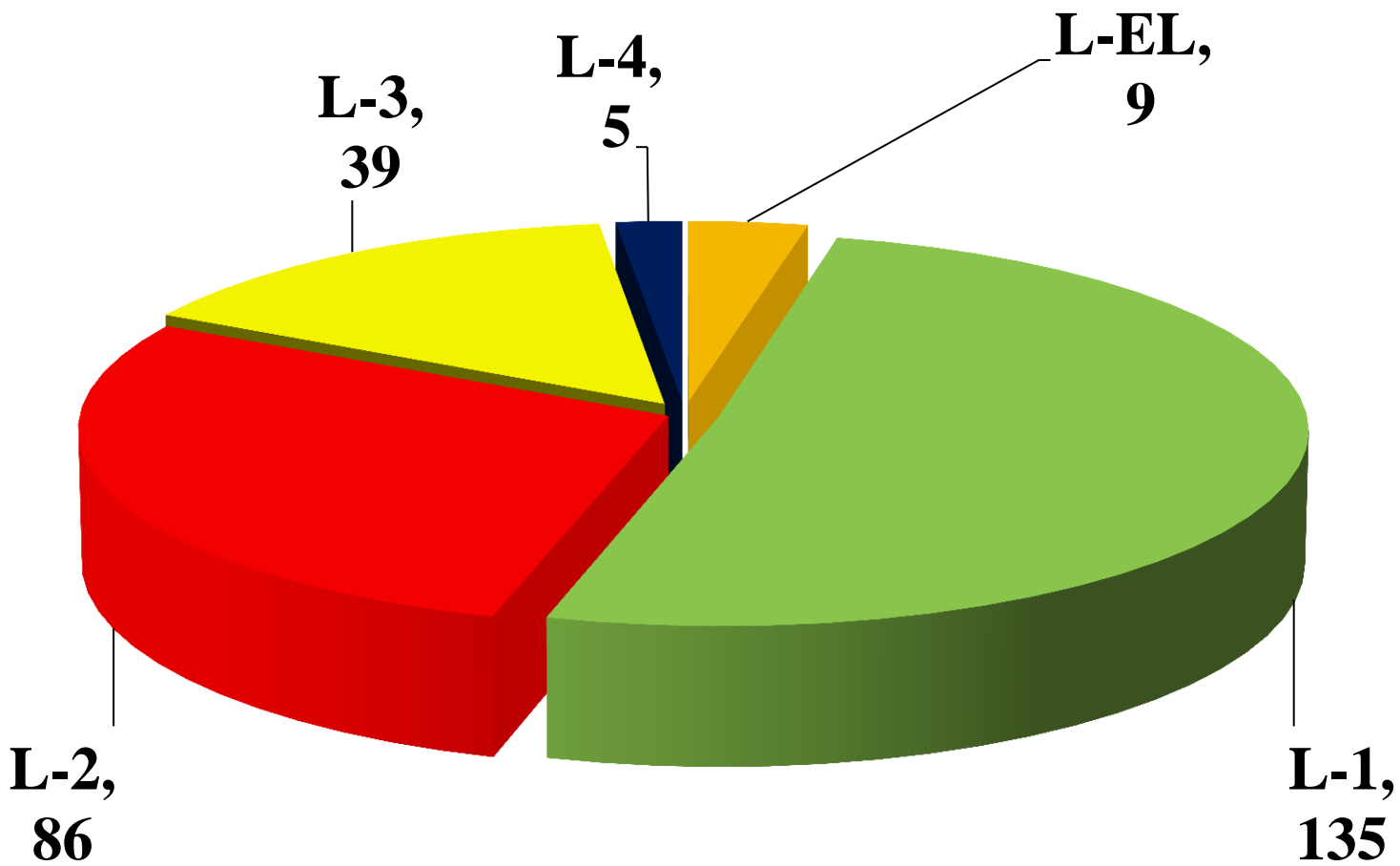
RECOGNITION OF PRIOR LEARNING IN NEPAL: CONTRIBUTION OF NATIONAL SKILL TESTING BOARD (NSTB)

About NSTB

- ❖ Formed under the CTEVT act
- ❖ Chairperson: Member Secretary, CTEVT
- ❖ Member Secretary: Director, NSTB
- ❖ Total numbers of members: 16
- ❖ Government: 50 %
- ❖ Private sector: 50 %



Occupational Skill Standards



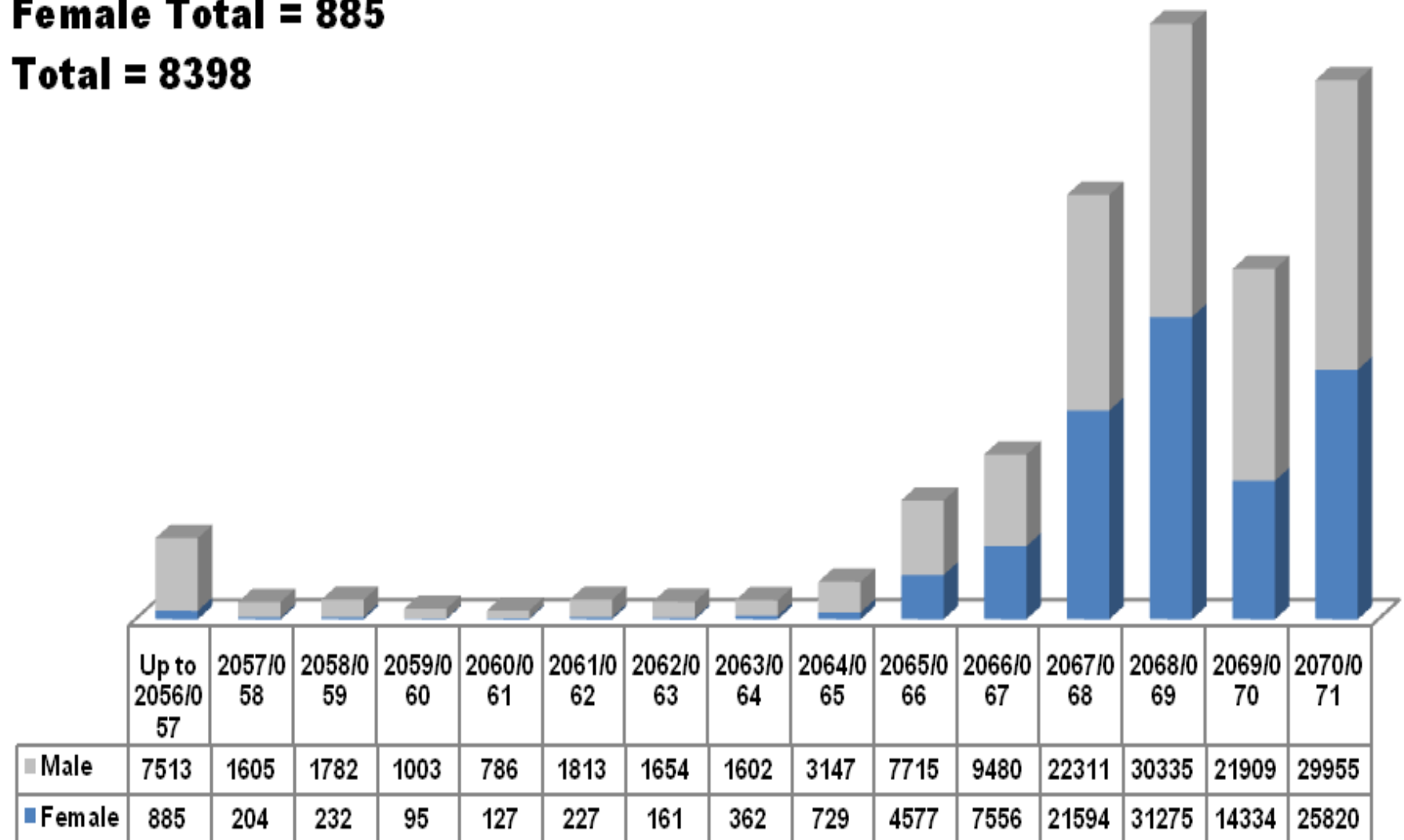
Trend of Skill Testing in Nepal

F.Y. 2041/042 to 2056/057

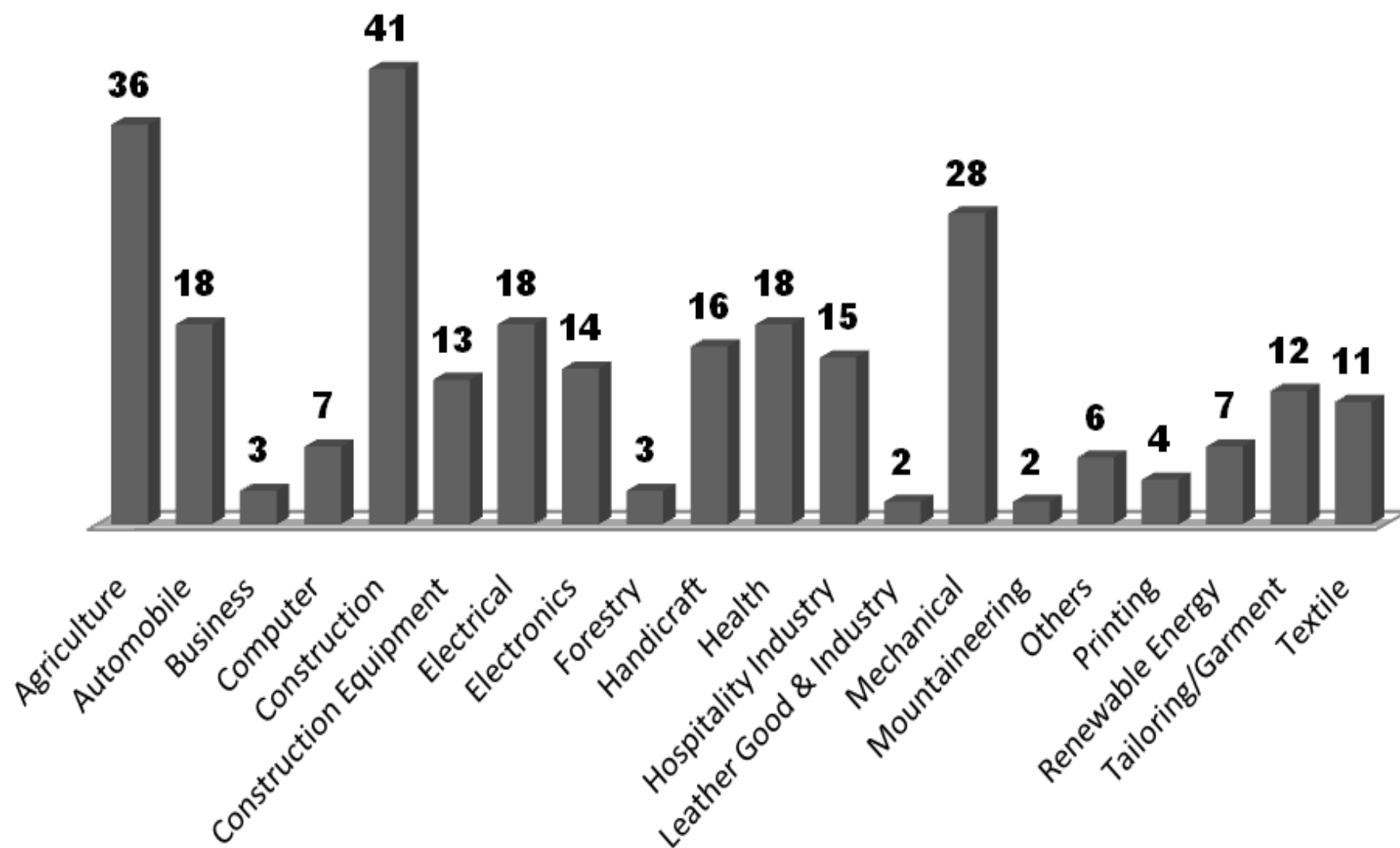
Male Total = 7513

Female Total = 885

Total = 8398



Sectoral Skill Standard Developed (F.Y. 2013/2014)



MAJOR ISSUES

- NSTB Skill certificate is recognized for jobs but not for further Learning:(thus, NVQF is next plan by 2020)
- Only limited sectors are covered : rapid expansion is needed
- Dominance of informal sector in the economy: lower realization of need of RPL mechanism
- Integration of NSTB in to National Education Framework
- Insufficient assessors and testing centers due to remoteness: Multiplication is needed



Queries ??

Questions ??

**Thank You for Your Kind
Attention.**

Country Practices on Greening of Industries and Green skills Inclusions in Training Programs



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GENERAL OVERVIEW

- The Interim Constitution of Nepal, 2007 (2063)
(*friendly towards sustainable development approach.*)
- Industrial policy 2010
(*adequate provisions for cleaner production and cleaner transportation*)
- Hydro Power Policy
(*favorable for establishing micro-hydro projects, paid much attention on environmental issues while establishing mega- hydro projects.*)

Contd..

- Some industries also running green skills in their own cost
- High priority for alternative energy (solar energy, biogas, biomass, etc)
- Much attention for Eco-tourism and Village tourism in Tourism Policy 2009 as greening of economy;
- Expansion of green road is the plan of Ministry of local development;



- Amended large numbers of other rules and regulations in line with green economy


GREEN PRACTICES IN THE INDUSTRIES

- Industries adopted proper disposable system of solid wastage
- Some (hardly) industries have installed waste water treatment system;
- Chimney is used for controlling air pollution but not other air treatment system;



- Recent promulgation of Solid Waste Management Act, 2011
- Environmental orientation programmes by external agencies (Government or donor supported programs)

Contd...

- 
- Good understanding of environmental issues among industrialists but lack of its translation into practice;
 - Adequate complies of environmental regulation in multinational industries and industries that have owned ISO certificate,
 - Rest industries have not adequately complied the environmental regulations.
 - Some industries have also started energy efficient technologies or using materials that do not require energy in the previous amount.

GREEN SKILLS INCLUSION IN TRAINING PROGRAMS

- Incorporation of green TVET agenda initiated in 2000
(*need assessment was conducted regarding incorporation of environmental components in TVET curricula;*)
- Revision of curricula giving priority to green TVET
- Available green skills related curricula and OSS
 - Solar PV Technician
 - Micro-hydro operator
 - Biogas Technicians
 - Rat Trap Mason
 - Preserving Vegetable by Drying (Solar)
 - Block Mason
 - Solar Electric Technician (Repair and Maintenance)

Queries ??

Comments ??

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Making green skills sustainable: Arriving at Principles and Models of Effective Green Practices and their Recognition



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Addressing
Immediate
Demand

Following Public
Policies

Making Green
Skills Sustainable

Training Friendly
Environment

Considering
Economical
Viability

ADDRESSING IMMEDIATE DEMAND

The immediate demand of the Nepalese Labour Market regarding the green jobs.

- The sector of '3R'
 - Renewable energy sector,
 - Recycling sector,
 - Retrofitting sector
- Waste management and treatment
 - Solid waste management and recycling
 - Liquid waste treatment
- Organic farming ,
 - Organic vegetable and fruit production
 - Vegetable and fruit preservation

FOLLOWING PUBLIC POLICIES

Public policies prepares enabling environment

- Solid Waste Management Act, 2011 (
 - lead to the production of waste management technicians in different levels and sectors
- The provision of Industrial Policy 2011 (*providing technical and financial assistance shall be made available to the industries that use environment-friendly and energy saving technology on their own costs;*)
- The Tourism Policy 2009,
- Hydropower Development Policy 2001
- Forestry Sector Policy 2000

TRAINING FRIENDLY ENVIRONMENT

Training friendly environment for reducing cost and better motivation of trainees

- Work place training in off hours (*reduces the opportunity cost of employers by sending for full time training*)
- Tripartite contribution (Training institution (government), employers and trainees)
- Creating awareness about the benefit of green skills
- Training in association with the related organization
(*e.g. Tourism related training-tourism board and construction related training with renewable energy related training with AEPC*)

CONSIDERING ECONOMIC VIABILITY

Economic viability for Sustainability

Renewable Energy Sector : Solar Technicians; Micro-hydro Installer technicians etc.

- Recycling Sector : Paper, plastics, various metal,
- Retrofitting Sectors : Greening of present jobs like mason, plumber, welders
- Ecotourism Sectors : Tourist guide.... etc
- Organic Farming : Organic fruit and vegetable farming, including apple, orange, mushroom

GREEN SKILLS IN TRAINING PROGRAM (3“R”)

Green job potential areas where specialized technicians in significant numbers are required to install, maintain and operate these technologies.

- **Renewable and Alternative Energy**

- Solar Energy Technology
- Wind Energy Technology
- Mini/ micro hydro technology
- Biomass Energy Technology
- Biogas Technology
- Bio fuel Technology

- **Recycling**

- Recycling of old papers, clothes, polythene are already practiced in Nepal.
- Hardly any training programs are designed as per the requirement of this area;

CONTD.

Retrofitting

- Large numbers of building are partially damaged by the catastrophic earthquakes of April and May.
- Presently, peoples are found highly interested to construct the house towards pre-fabrication materials;
- Retrofitting technicians seems to be needed in future;



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Potential Green Skills: Pilot Project



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Potential Green Skills: Model for Pilot Project

Potential Pilot projects

- Alternative Energy Related Trainings
 - Solar technicians, micro/mini hydro technician etc.
- Eco-tourism/Organic Farming Related Training
 - Tourist guide, Organic vegetable farming, Organic fruit farming etc,




PROBABLE MODELS: BASIS FOR SUSTAINABILITY

Training in Alternative Energy : Strengthen and Opportunities

- Government policy to grant assistant for micro-hydro;
- More than 10 thousand micro/mini hydro already been installed
- Present energy crisis
- Widespread electrification of the country
- Increasing per capita energy consumption
- Well-equipped and well-furnished Institutes with CTEVT in engineering related training
- Trained and qualified Human resources and Infrastructure (Engineering trades)

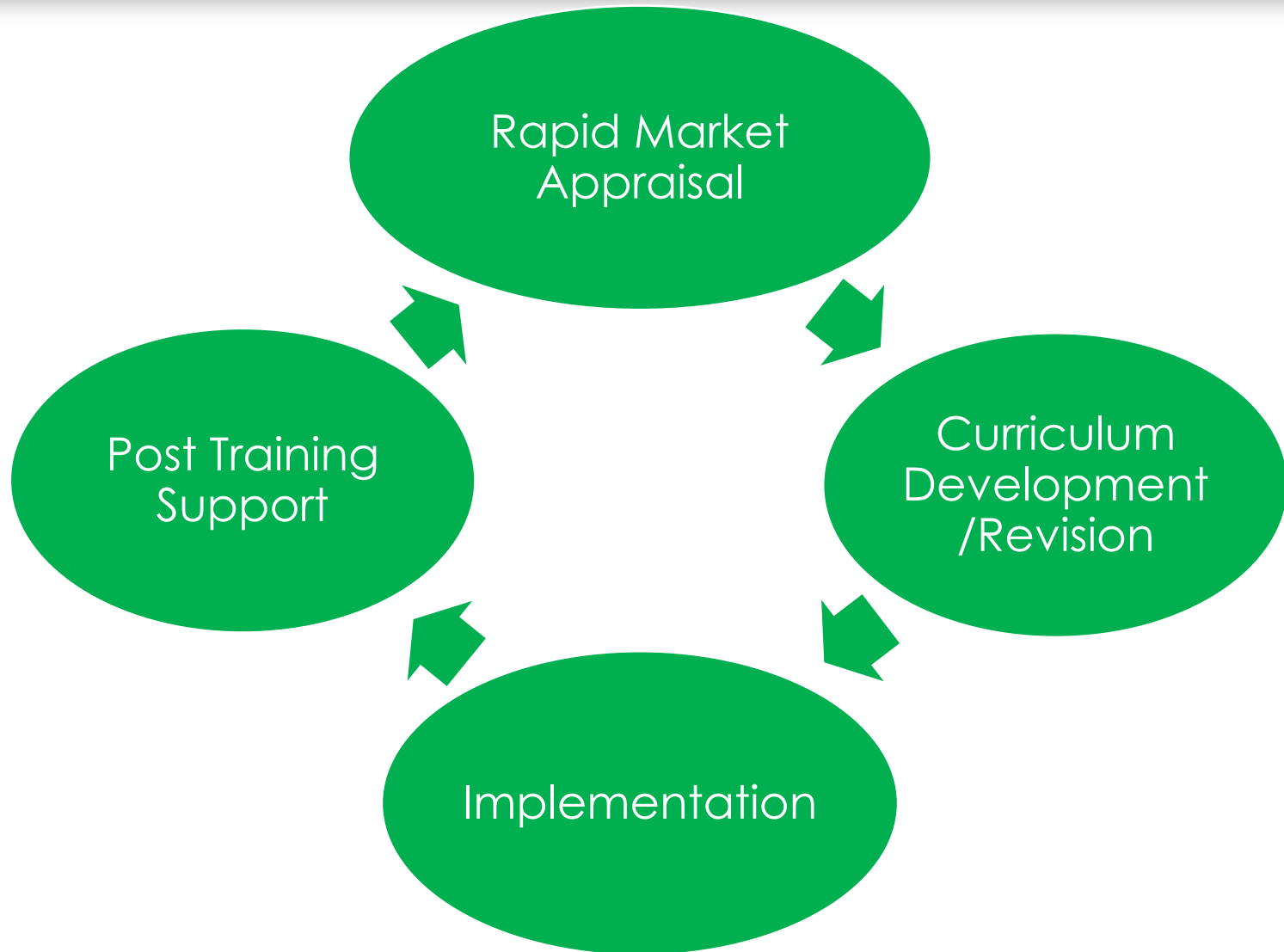
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- Large demand for such technicians in the market;
 - More than 300 thousands solar instruments (Solar PV, pumping, home system, cooker, dryer) already has installed;
 - Alternative energy falls on the high priority of the government ;
 - Presently available Infrastructure of present CTEVT institutions can be used with out much investment

Training in Eco-tourism Sector: Strengthen and Opportunities

- Annual increment of number of tourists
- Tourism policy has emphasized for eco-tourism
- Natural beauty, and bio diversity of the Himalayan country
- Available resources (physical & human)
- Some tourism related trades are already been run in CTEVT
- CTEVT has good institution facilities in tourism related training.
- Increasing health awareness among consumers
- Demand of organic vegetables and fruits in internal and international market

COMPONENTS OF PROJECT: A COMPLETE TRAINING CYCLE



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