



digital
green
prakriya

DIGITAL GREEN PRAKRIYA

RECYCLE

REFURBISH

RESTORE

REUSE

DIGITAL GREEN PRAKRIYA

The fundamental idea of **DIGITAL GREEN PRAKRIYA PROGRAM** is to transition from the traditional linear economy, where resources are extracted, transformed into products, and eventually discarded as waste, to a more circular and regenerative approach.

VISION:

To create a sustainable and regenerative digital ecosystem where environmental responsibility is seamlessly integrated into the lifecycle of digital devices and in policy and practice by embracing a circular economy approach to minimize waste and ecological impact.

MISSION:

To take a lead in the transformation towards digital environmental sustainability through the implementation of circular economy principles within the life cycle of digital devices.

THUS, DGP IS STRIVING TO:

- Promote Eco-Design in culture and practice
- Extend Product Lifespan through Repair, Reuse, Recycle
- Facilitate Responsible Consumption in the user community
- Promote Circular Business Models & Entrepreneurship
- Drive Innovation for Sustainability
- Advocate for Policy Change
- Collaborate with Stakeholders
- Measure and Report Impact



STATS

India ranks third in e-waste generation globally, behind China and the United States.

Volume of e-waste has witnessed a significant surge—from 700,000 tonnes in 2017-18 to 1.6 million tonnes in 2021-22

The Rare Earth (RE) resources are reported to be the fifth largest in the world

India recycled only 32.9 per cent of the e-waste generated in 2021-2022, while a staggering 10,74,024 tonnes (67%) of e-waste remained unprocessed

In rural India, women mobile internet users are only 33% compared to 67% men users

The gender-based digital divide in mobile internet users is a huge 50%

DEF'S EFFORTS IN CIRCULAR ECONOMY

Establish Recycling and Refurbishing Units

Education & Awareness Drives among community members

Research and Analysis around Circular Economy

Advocacy, Workshops and Consultations

Policy Discussions and Debates

HIGHLIGHTS OF ACTIVITIES

GREEN PRAKRIYA RECYCLE AND REFURBISH CENTRES

DELHI
HYDERABAD
PUDUCHERRY
NUH
TIJARA

GREEN PRAKRIYA TRAINING AND AWARENESS CENTRES

24 STATES &
135+ DISTRICTS





PROJECT MILESTONES

2010 > PRESENT

'Wireless for Communities' for Sustainable Access & Inclusion Last Mile', initiative with the Internet Society (ISOC) & Partners

2013

A Research Study on Sustainable Management of e-Waste for a Greener Future'

2011 > 2012

A Research Study on 'ICTs and Environmental Sustainability'

2014 > 2018

A Program called 'Soochna Seva'; Sustainable Access to Digital & Information Services for Vulnerable Communities at the Last mile'

2016 > PRESENT

A program vertical
SoochnaPreneur':
Sustainable Rural Digital
Entrepreneurship'

2021

Contribution to the India Policy
Draft on 'Circular Economy in
Electronics & Electrical Sector'

2021--->2022

Contribution to development
of 'A Guide to Circular
Economies in Digital Devices',
by the Association of
Progressive Communication
(APC)

2022 --->2023

Implemented an Indian Pilot
Project with APC: 'Digital
Green Prakriya: Digital
Environmental Sustainability
through Community Repair
& Reuse Network'

2023 --->2024

DGP Centres for Sustainable e-
Waste Management at
Community Level', a project
with KARO SAMBHAV

**HISTORY OF DEF'S JOURNEY
TOWARDS ENVIRONMENTAL
SUSTAINABILITY**

MAJOR CONTRIBUTIONS

DONERS INCLUDE
HP, ACCENTURE,
MICROSOFT AND
AMAZON

2000+ USED DESKTOPS

2000+ used desktops have been received

3000+ TABLETS

3000+ Tablets have been given recieved

1000+ DIGITAL EQUIPMENTS

500+ Digital Equipments have been received from different donations and refurbished in the centers to be re-used by rural entrepreneurs

100 laptops received

200 Printer received

500 Mobiles received

TOOLS FOR TRAINING AND AWARENESS

Skill Bot

SELF-LEARNING BOT FOR
TRAINING AND AWARENESS OF
CIRCULAR ECONOMY, STEM
LEARNING AND E-WASTE
COLLECTION

DGP Master Class

PRACTICAL SESSIONS ON
REPAIR TECHNIQUES

Digital Academy

ONLINE REPOSITORY OF
LEARNING TOOLS

INFRASTRUCTURE

5 E-WASTE COLLECTION CENTRES

**5 DIGITAL EXCELLENCE CENTRES
HAVE BEEN ENABLED WITH GREEN
PRAKRIYA ACTIVITIES**

**1000+ CENTRE ARE IN THE PROCESS
OF BEING TRAINED IN ENVIRONMENTAL
AWARENESS AND E-WASTE COLLECTION**

**WAREHOUSE AND
REFURBISHING
CENTRES ARE
ESTABLISHED IN
PUDUCHERRY,
DELHI, NUH AND
HYDERABAD**

ACTION PLAN FOR NEXT 24 MONTHS

1000+ DIGITAL PRAKRIYA CENTRES

To train and aware almost 1000 Panchayats and 5000 villages in phase- 1

200 E-WASTE COLLECTION CENTRES IN PAN INDIA

To train and aware almost 1000 Panchayats and 5000 villages in phase- 1

10 WAREHOUSES & RE-FURBISHING CENTERS WILL BE ESTABLISHED

INCLUDE & INCREASE WOMEN PARTICIPATION IN CIRCULAR ECONOMY

Train 500 women to become Digital Prakriya facilitators

INCREASE YOUTH PARTICIPATION IN CIRCULAR ECONOMY

Provide training to 1,00,000 youth in circular economy principles, and e-waste disposal and management

Principal Partner



Knowledge Partner



Collaborating Partner

