



REIMAGINE WASTE 6 HACKATHON

Empowering Youth to Hack E-Waste and Energy!



About the program

ComedKares in Association with Waste Impact Trust, Karnataka State Pollution Control Board & InUnity LLP organised a REimagiNEWaste Hackathon. The 6th season of this immersive hackathon and an incubation program pioneered to co-create innovative inclusive solutions for various aspects of the waste problem. Each year REimagiNEWaste focuses on tackling one aspect of the multifaceted waste problem. The hackathon combines solving day-to-day waste issues while being inclusive in technological innovations. The top teams shortlisted in the Hackathon get into a 45-day mentorship program that brings together mentors to guide the teams to take the idea to an MVP or Startup stage.

- **2 days** of problem immersion and expert sessions
- **24hrs** of intense brainstorming and prototype building hackathon
- Top teams shortlisted get into a **45-days** mentorship program

35+
Social
impacting ideas

200+
Participants

1 Lakh
seed grant

Organization and Management



HACKING FOR E-WASTE AND ENERGY!

The Immersive program was spread across 2 weekends with a program plan detailed to ensure every participant builds a solution ground up that is derived from the community.



Phase 1- Field Visit

An immersion to the problem sites hand-picked across the regions of Bangalore for the participants to witness the ground reality of the domain.

Phase 2- Expert Talk & Workshops

Hands-on sessions, panel discussions & expert talks from various stakeholders & industry professionals to give participants a real-time understanding of the e-waste.



Phase 3- Hackathon

48 hours challenge bringing together innovators from different walks of life to co-create solutions for problems of energy & e-waste



About ComedKares

ComedKares is an initiative by ComedK to help students of engineering, dental, and medical colleges choose the right career by building their competitiveness and exposing them to various opportunities available in the industry.

ComedKares offers courses designed along with industry experts and endorsed by VTU that will enhance the learner's 21st-century skills while also giving access to machines, tools and mentors to build products and solutions that positively impact the community.

ComedKares catalyzes the interaction between the Community (industry and regional professional groups), Industry experts and academic stakeholders for knowledge sharing and co-creating solutions through various programs spread across the year.

Shedding Light on E-Waste and Energy Raising Awareness and Empowering Action

The field visits and associated programs of the program successfully heightened awareness of Bangalore's thriving E-waste and Energy sector among 150+ candidates; with a staggering 76% of participants gaining a deeper understanding of the sector's current status.

"I've experienced about E-waste management through some various kind of factories and learnt about Drainage Waste management"

"The site was quite traditional and not modern and the workers, especially women, were professional at their work giving full effort. The decorum of the site was amazing and we as the students have gained much knowledge learning new things and meeting new people."



SDGs in Focus



SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all



SDG 12: Ensure sustainable consumption and production patterns

Top Projects of the Event

THEME: E-WASTE

IMPACT POTENTIAL: In India, it is estimated that **67% of E-waste is disposed of** in an informal and unregulated manner. A solution implemented at large scale for e-waste in India has the potential to bring down the environmental and health issues, for example, if **100% of e-waste was recycled**, it would prevent the release of approximately **1.7 million tons of lead, 100,000 tons of mercury, and 30,000 tons of cadmium into the environment**. This would have a significant positive impact on public health and the environment.

HACKATHON



Winners: A to Z recyclers

Organisation: The Oxford College of Engineering & Samvada

Solution: The team intends to collect E-waste from origin companies by utilising an app, as the companies sell their electronic waste to them. It is then transported to city centres for dismantling, and the resulting components are then forwarded to recycling industries.



Runner Up: RenewRecyclers

Organisation: DBT, BIRAC

Solution: Creating Value through End-of-Life Management for Aging and Defective Solar Panels

INNOVATION CHALLENGE



Winner: Ms. Neha Clare Minj

Organisation: Global Institute of Technology, Bangalore

Description of the idea: An energy and environmentally conscious method for economically extracting metals from electronic waste.

THEME: ENERGY SAVED

IMPACT POTENTIAL: India is the world's **third-largest energy consumer**. This is **expected to increase to 2.8 trillion kWh by 2040**. This increase in energy demand will put a strain on the country's energy resources. According to the International Energy Agency, if India implements large-scale energy saving solutions, it could reduce its greenhouse gas emissions by up to **1.5 billion tonnes by 2040**. This would help to mitigate climate change and improve air quality. Additionally, large-scale energy saving solutions would create jobs in the clean energy sector, which would promote economic growth in India.

HACKATHON



Winners : Bio Fuel Futura
Organisation: Sarada Krishna Homoeopathic Medical College

Solution: Solution: Producing renewable biofuel from algae

INNOVATION CHALLENGE



Winner: Dr. Gurumurthy Hegde
Organisation: Adindistech Private Limited.

Description of the idea: Adindistech Private Limited is providing cutting edge research products and solutions to the industry partners.



Runner up: Rakesh Kasaba
Organisation: Muddy Hydro

Description of the idea: An energy and environmentally conscious method for economically extracting metals from electronic waste.

Voices of Praises

Participant & Guest Organizations



"From the beginning of field visit to the in-between sessions from mentors and overnight hackathon until the final day at National College it was just mind-blowing. Huge respect for all you guys there! Organisers and Volunteers were great, supportive throughout!"

Rumaan Sharief N



"It was a pleasure attending this event, seeing new minds who are into E waste reduction and energy efficiency"

Mayur, Mentor Selco Foundation



"Waste management has to be brought forward as a major sector and we need more and more millennials to join hands to bring big change."

Mr. Sarvottam Pejavar, Founder Zycomy



"The ideas generated and the ideas, some of which have been converted into prototypes and some are in the little scaling up stage really impressed me!"

Mr. Shubash Nayak, Acelor Mittal Steel



"I am astounded to hear that one of the members here is connected with over 10000 NGOs working in this regard, which is a good step!"

**Mr. M Kumaraswamy DR,
Rtd. Chief Environmental Officer, KSPCB**

Way Forward!

- 45 days mentoring opportunity to access high-touch business mentors & sector mentors to guide teams to build their prototype.
- The graduating teams present their prototypes to investors, VCs & incubators to support ideas till the implementation stage.
- The top teams from this phase will be receiving seed fund support of 1 lakhs to build their MVP.

ComedKares partnership with Waste Impact Trust enabled us to work closely with the E-Waste and Energy sector, contributing towards our activities in the Climate Action space for 2030.

As a result of the program's success, ComedKares has successfully onboarded two potential partners, Wipro and Selco, with the continued interest of Waste Impact Trust for future programs supported by ComedKares.



Be at the forefront of similar initiatives. Join forces with InUnity!

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