Ideation Hackathon on Waste to Wealth by CPB, GoI-reg.

1 message

Garima Sharma <w2w.cpcb@gov.in>
To: registrar@du.ac.in

Thu, Apr

Respected Sir/Madam,

In continuation to our earlier email on waste to wealth Hackathon being organized by Central Pollution Control Board, It is informed that the date of Hackat to May 14th, 2023 (Sunday). The revised timelines are as below for kind information,

	Tasks	Tentative Timelines
1	Opening of registration	April 21, 2023 (Friday)
2	Last date of registration	May 12, 2023 (Friday)
3	**Date of ideation Hackathon**	**May 14, 2023 (Sunday) 09:00 AM to 5:00 PM**
4	Screening of entries & announcement of shortlisted ideas	May 21, 2023 (Sunday)
5	Presentation of shortlisted solutions/ ideas	May 24 - 25, 2023
6	Final evaluation & declaration of results	May 26, 2023 (Friday)
7	Award ceremony	June 05, 2023

A copy of DO invite from Member Secretary, Central Pollution Control Board and event brochures are attached herewith please.

We look forward to enthusiastic participation from your esteemed institutions.

Regards,

Garima Sharma
Head (Research & Development)
Central Pollution Control Board
Parivesh Bhavan, East Arjun Nagar,
Delhi- 110032
Email:w2w.cpcb@gov.in
011-43102215, 211, 209

CPBII

21/4/23

Ms. Ann

AR(College)

Ref as above:-

If approved, the same may be forwarded to All the Principals/Director, College/Institute for info. & n.a.

S.O(CB/II)
25/4/23

AR(C)

R-1325
21/4/23

CB.II
7R 213
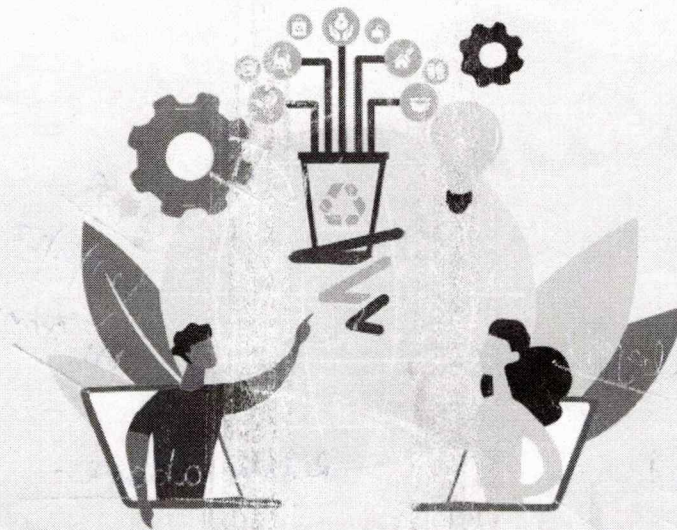24/3/23

AR(C)/1716
21/4/23

Waste to Wealth
From Trash to Treasure

A Hackathon on Innovative Solutions for Waste Utilization

कचरे से कंचन
कचरे के उपयोग के लिए नवाचारी समाधानों पर हैकाथॉन
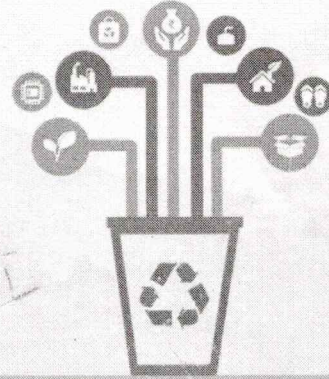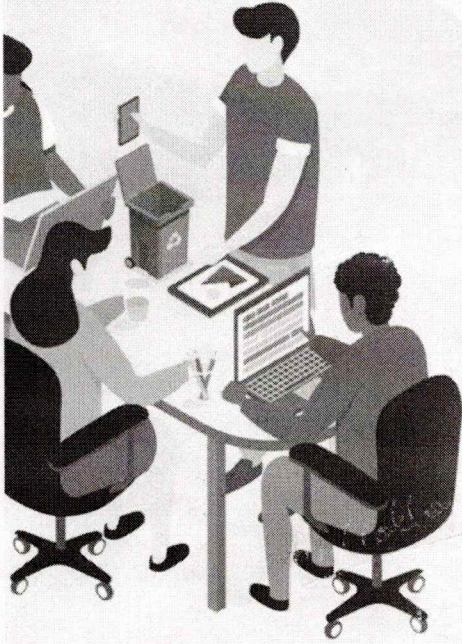
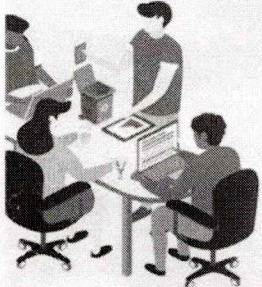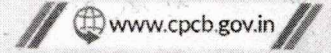May 25, 2023

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डॉ. प्रशांत गार्गव
सदस्य सचिव
Dr. Prashant Gargava
Member Secretary

केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

सत्यमेव जयते

Do.No.CP-35/1/2023-AS-HO-CPCB-HO
20th April, 2023

Subject: Invitation to Participate in the Waste to Wealth Ideation Hackathon

Dear Dr. Vikas Gupta,

It is my pleasure to inform you that a 'Waste to Wealth Ideation Hackathon' is being organized by the Central Pollution Control Board on 14th May, 2023.

This Hackathon is a nationwide initiative to provide students with a platform to solve pressing challenges related to waste management in the country. It will help them to build upon their understanding on waste management, emerge with clearer thoughts and present out-of-box innovative solutions for Waste to Wealth conversion.

The focus is on (a) plastic waste (b) electronic waste (c) battery waste (d) crop residue. The students will get an opportunity to interact with the foremost experts in the field, win cash prizes, and incubation support.

I look forward to overwhelming participation from your institution. A brief brochure is attached herewith for ready reference.

With regards

Yours Sincerely

(Prashant Gargava)

Dr. Vikas Gupta
Registrar
Registrar's Office, University of Delhi North Campus
Delhi - 110007

WRITE UP ON IDEATION HACKATHON ON WASTE TO WEALTH

A. What is Waste?

It is a globally accepted statement, that one's waste can be the other's treasure. Typically, a waste material is assumed to be an unusable and undesirable substance discarded after primary use having no further economic value. However, the term is subjective as pre-used materials may have material, energy or chemical value not yet explored to its fullest potential. Hence, the starting point towards gainful utilization of waste is challenging our preconceived notions and viewing it as potential resource, a commodity with significant economic and environmental value.

Driven by vision of waste to wealth & circular economy and inspirational success stories shared in Mann ki Baat, such as 'Save Chite Lui Action Plan' in Aizwal and 'Recycling for Life Campaign' in Puducherry, this initiative of conducting an Ideation Hackathon is being undertaken. Also, our Nationally Determined Contribution targets are focussed on conservation of resources and sustainable growth.

Manufacturing of products requires raw materials, water and energy, a limited resource which available in any form is vital. Through optimal transformation of waste to wealth valuable metals, chemicals, energy, etc. can be recovered and used in manufacturing new products which helps in achieving reduced environmental impacts and lower production cost. The waste streams are diverse, the recycled and recovered materials from waste streams can be re-engineered, refurbished and repurposed reducing the demand for raw materials and at the same time creating valuable supply chains for the waste.

B. Purpose of this Hackathon

The purpose of this ideation hackathon is to encourage best young brains in the country to,
- Present original ideas on waste utilization, process modifications/ upgradations, engineering solutions, technical advancement, etc. for waste to wealth transformation.
- Identify valuable resources and products that exist in waste streams and present specialized/ innovative / multidimensional solutions for its utilization, create value in supply chains and explore/ create additional market.

This Hackathon is focused on boosting young intellectuals to apply their reasoning and problem solving aptitude in conjunction with technical skills to solve real world waste related challenges at grassroot level. It will help them to build upon their understanding on waste management, emerge with clearer thoughts and present innovative solutions for Waste to Wealth conversion.

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C. **Scope of Problem Statement**

This Ideation Hackathon aims to identify valuable resources and potential products from waste streams and utilize it for its environmental and economic value. The vital aspect of conducting this Hackathon is to invite original ideas that would ensure waste to wealth conversion for effective reuse, reduce, recycling, refurbishing & repurposing of following categories of wastes,

1. Battery Waste https://cpcb.nic.in/rules-5/
2. Plastic waste https://cpcb.nic.in/rules-4/
3. Electronic waste https://cpcb.nic.in/e-waste/
4. Crop residues https://cpcb.nic.in/uploads/AQM/TERI_Brief_Report.pdf

The presented ideas/ solutions should not be part of any existing notified Waste Rule (refer links above for more information).

D. **Eligibility Criteria**

   o   All undergraduate and above students preferably from technology & engineering fields and startups associated with incubation centers of any institution are eligible to participate in this contest.
   o   Students are allowed to participate as individual or teams of up to five members.
   o   Eligible participants are required to complete the registration process on https://cpcb.nic.in/w2w-hackathon-cpcb/# or scan QR code on brochure.
   o   Inter-college teams are allowed.
   o   Multiple nominations from individuals or teams are not allowed.

E. **Hackathon Process**

   o   The hackathon is **only in online mode** and comprises ideation phase.
   o   The interested applicants are required to register for the hackathon by **May 12, 2023** on https://cpcb.nic.in/w2w-hackathon-cpcb/#
   o   On the day of Hackathon **May 14, 2023**, one problem Statement each for four waste categories (i) Battery waste (ii) Plastic waste (iii) Electronic waste (iv) Crop residue shall be posted on the CPCB website at **09:00 am**.
   o   The registered candidates shall be required to submit their ideas/solutions in prescribed template on the same day i.e. **May 14, 2023 by 05:00 PM via email** on w2w.cpcb@gov.in No entries will be accepted after this. No changes will be accepted once proposal is submitted.

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o The shortlisted ideas/solutions shall be posted on **May 21, 2023** on https://cpcb.nic.in/w2w-hackathon-cpcb/#

o The shortlisted ideas/solutions shall be invited to make a presentation via VC or in-person (only with prior-intimation) to the Evaluation Committee during **May 24-25, 2023.**

o The results will be declared on **May 26, 2023** and followed by award ceremony on **June 05, 2023**.

F. **Important Dates**

	Tasks	Tentative Timelines
1	Opening of registration	April 21, 2023 (Friday)
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G. **Evaluation Parameters**

The hackathon will be evaluated by a committee of Experts from industry, government and research institutions. The ideas/solutions will be evaluated by Experts on,

1. Novelty of the idea and newness of approach
2. Degree of innovation
3. Wealth generation and cost to benefit
4. Simplicity & uniqueness of proposed solution
5. Practicability & sustainability of solution
6. Scale of impact
7. Robustness and replicability
8. Potential for future application
9. Operational feasibility
10. Human development and Mission LiFE goals; think local

H. Rewards

Incubation support from CPCB and cash prize as below,

Waste Category	First Prize	Second Prize	Third Prize
Battery	Rs. 50,000	Rs. 25,000	Rs. 15,000
Plastic	Rs. 50,000	Rs. 25,000	Rs. 15,000
Electronic waste	Rs. 50,000	Rs. 25,000	Rs. 15,000
Crop residue	Rs. 50,000	Rs. 25,000	Rs. 15,000

I. Terms and conditions

o The contest is open to Indian Citizens only.

o The decision of Competent Authority CPCB shall be final and binding about selection on all stages.

o By making a submission in the ideation hackathon, all participants warrant and represent that to the best of their knowledge, their submission is original and does not violate or misappropriate any third-party trade secret, "know-how," copyright, patent, or other intellectual property right.

o Participants also warrant and represent that there are no obligations of any nature, legal or otherwise, which would prohibit, restrict, or interfere with their participation in the Hackathon or submission of their solution, and agree to obtain any necessary approval in needed prior to participation.

o The participants agree that CPCB will share information submitted by the participants to Experts, reviewers etc. (any information that you may not want to share publicly should not be submitted).

o CPCB reserves the right to publish the grantees information with regards to brief summary and team details.

o CPCB reserves the copyright and intellectual property rights on the solution developed through this hackathon.

o By entering the hackathon, each participant agrees to release CPCB from and against any losses, damages, rights, claims and actions of any kind arising from,

- an exclusion or disqualification of such participant pursuant to these rules.

- late or unsuccessful efforts to notify winners of any prize.

- forfeiture of a prize and the selection of an alternate winner.

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- late, lost, delayed, damaged, misdirected, incomplete, illegible, or unintelligible entries.
- any condition caused by events beyond CPCB's control that may cause the Contest to be disrupted or corrupted; and
- any injuries, losses or damages of any kind relating to participation in this Contest.

- CPCB reserves the right, at its sole discretion, to cancel, terminate, suspend this Hackathon and modify the rules, prizes & funding related to it without prior notice. In no event shall CPCB be liable for any claims, losses, expenses, or damages, arising out of or in connection with the foregoing.
- Any correspondence with participant will be done through email id provided by the participant at time of filling the registration form. CPCB is not liable in case of email delivery failures or technical glitch at any stage.

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