



ISTE STAFF CHAPTER [TN 205]

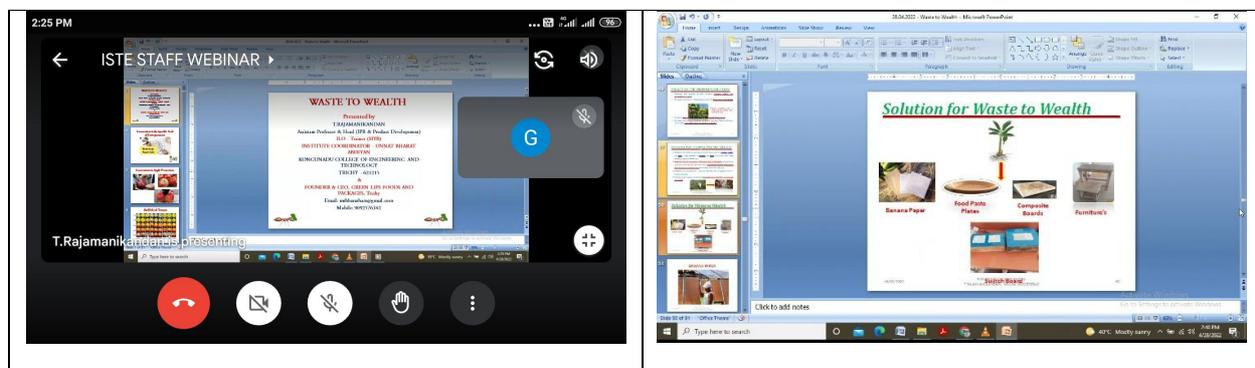
ACADEMIC YEAR 2021-22 (EVEN SEMESTER)

WEBINAR REPORT

09.05.2022

A one day webinar titled “**Waste to Wealth**” was organized by the ISTE Staff Chapter [TN 205] through Google meet & YouTube live streaming on **28.04.2022** from 2.30p.m. to 3.30p.m. to the faculty members of Kings College of Engineering with an objective to offer a better understanding of Waste to Wealth. Welcome address and resource person introduction were delivered by Mrs.T.Gnanajeya, Coordinator / ISTE Chapter. The session was handled by eminent resource person **Mr.T.Rajamanikandan, AP and Head (IPR & Product Development), Kongunadu College of Engineering and Technology, Trichy**. The resource person started the session with the video of projects completed by him. The resource person presented the concepts Solution of Waste to Wealth, Impact of the proposed solution, Alternate for mica sheet from banana trunk, Banana residues, Paper made from various banana waste, Furniture products from banana residues, Composite press board, Cost benefit analysis for Electrical switch board made from banana waste, Implementation and outreach plan, Innovations in apple waste, Problems due to Seemai karuvelam, Innovations blossomed from problems in excellent manner. Totally 41 faculty members actively participated in this session and gained knowledge about Waste to Wealth. Vote of thanks was given by Mrs.T.Gnanajeya, Coordinator / ISTE Chapter. After the session participants gave the feedback through feedback link.

Webinar Highlights



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IMPACT OF THE PROPOSED SOLUTION

- Increase the Income of the farmers through selling the agricultural waste.
- Farmers can Protect their crops from the Fusarium wilt disease



❖ Fungus production due to destroying the mother plant in the farm land.

- It create new jobs for the farmers at self help group.
- Farmers can able to Produce the Food serving Plates and cups from their own field using agricultural Waste

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ALTERNATE FOR MICA SHEET FROM BANANA TRUNK



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BANANA RESIDUES

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    graph TD
      A[BANANA RESIDUES] --> B[PAPER PRODUCTS]
      A --> C[INSULATION PRODUCTS]
      A --> D[ELECTRICAL SWITCH BOARDS AND ACCESSORIES]
      A --> E[FURNITURE PRODUCTS]
      A --> F[HANDICRAFTS]
  
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Various Products Developed from Banana Residues

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Paper Made From Various banana Waste



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Furniture Products from Banana Residues



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Electrical switch board made from banana waste



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Cost Benefit Analysis

Electrical Switch Boards from Banana sheath & Leaves

S.No.	Particulars	Cost Per Switch Board
1.	Raw Materials (Banana Tree Waste) (4 Switch Boards per tree)	Rs.1.25
2.	Water	Rs.10
3.	Resin and Hardener	Rs.20
4.	Labor	Rs.10 ⁵
5.	Electricity	Rs.5
6.	Small Machinery and Maintenance	Rs.10
7.	Rent	Rs.5
	Production Cost	Rs.61.25
	Profit	Rs.20
	Supply Chain	Rs.30
	Retail Cost	Rs.101.25
	Conventional Switch Board	Rs. 150

Market Difference: Rs.48.73

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Jackfruit Layer Waste to Shelf Life Shield for Other Fruits and Vegetables

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Seemai Karuvelam (Prosopis Juliflora)

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INNOVATIONS BLOSSOMED FROM PROBLEMS

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Webinar on Waste to Wealth

Organized by ISTE Staff Chapter

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sir

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GNANAJEYA THIRAVIYAM Any other queries please post

Abhirami K Solutions to real world needs with technological implications. Great initiatives. Requesting you to impart this knowledge in a wider scale so as to reach many

Chat publicly as GNANAJEYA THIRAVIY...

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Webinar on Waste to Wealth

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GNANAJEYA THIRAVIYAM ISTE STAFF CH/

Requesting you to impart this knowledge in a wider scale so as to reach many

R BALAKRISHNAN Asst Prof ECE Thanks sir

Abhirami K Interesting session sir. Motivated us to look forward for such initiatives

Sivakumar Sivanandham very nice presentation sir. Thank you

Bhuvana Prabha very interesting session

Kings College of Engineering Punalkulam Feedback link : <https://forms.gle/dN6KcsCSgFmnnq7A9>

Chat publicly as GNANAJEYA THIRAVIY...

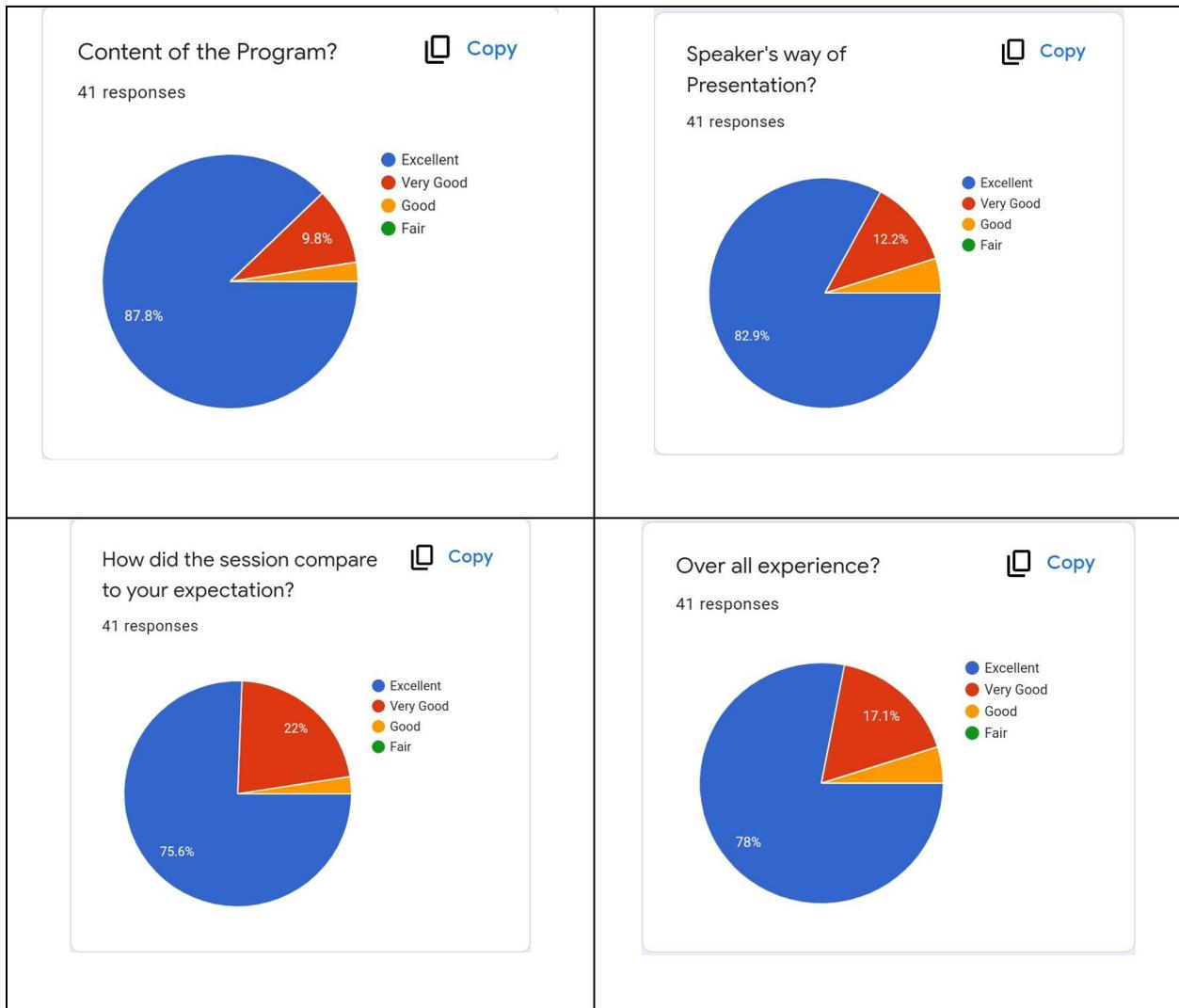


WEBINAR BROCHURE



CERTIFICATE OF APPRECIATION

Feedback Questions and Responses



Mrs.T.Gnanajeya
Convener

Dr.J.Arputha Vijaya Selvi
Principal