

CLEAN TECH CHALLENGE

27-07-2022

CLEAN TECH CHALLENGE QUIZ COMPETITION AND POSTER COMPETITION

Report for the Clean Tech Challenge – Quiz and Poster Competition, suitable for documentation, event reports, or submission under departmental/NSS activities:

A Video Presentation And Quiz Competition Were Held And All The Volunteers Participated Actively. Posters Done By Our Volunteers Were Also Displayed.

Report on Clean Tech Challenge – Quiz and Poster Competition

Organized by: Department of Electrical and Electronics Engineering (EEE)

In association with: NSS Unit 180

Event Title: Clean Tech Challenge 2022

Venue: Seminar Hall / Department Lobby

Participants: B.Tech Students across all semesters

OBJECTIVE OF THE PROGRAM

- To raise awareness about clean and sustainable technologies among engineering students.
- To encourage critical thinking and creativity related to environmental protection, renewable energy, and green innovations.
- To promote interdisciplinary knowledge sharing through competitive and visual learning formats.
- To foster teamwork, communication, and advocacy for sustainable engineering solutions.

CLEAN TECH QUIZ COMPETITION

Time: 10:00 AM – 11:00 AM

Format: Multiple Rounds (MCQ, Audio-Visual, Rapid Fire)

Judging Criteria: Accuracy, Speed, Team Coordination

Topics Covered

Renewable Energy Technologies

Energy Efficiency

Environmental Policies and Initiatives

Green Innovation in Engineering

POSTER MAKING COMPETITION

Time: 11:30 AM – 1:00 PM

Theme: “Clean Tech for a Sustainable Future”

Individual/Team Participation Allowed

Judging Criteria: Relevance to Theme, Creativity, Message Clarity, Aesthetic Appeal

Materials: Participants used eco-friendly art supplies and chart papers.

HIGHLIGHTS OF THE EVENT

- Over 100 students participated across both competitions.
- The Quiz created a healthy competitive spirit and tested the participants’ grasp of emerging clean technologies.
- The Poster Competition showcased impactful visual messages emphasizing sustainable innovation and eco-conscious living.
- Expert faculty and NSS coordinators acted as judges, ensuring fair and insightful evaluation.
- Winners were awarded certificates and eco-friendly gift hampers.

OUTCOMES OF THE PROGRAM

- Students gained increased awareness of clean technologies and their importance in modern engineering.
- Encouraged cross-disciplinary learning and advocacy for eco-friendly engineering practices.
- Strengthened presentation, design, and analytical skills through visual and quiz-based formats.
- Promoted green thinking and innovation among future technologists.

PO & PSO MAPPING JUSTIFICATION

PO / PSO Justification

PO1 – Engineering Knowledge Reinforced fundamental and applied knowledge in clean technologies and sustainability.

- PO2 – Problem Analysis Quiz questions and poster themes prompted analysis of real-world environmental challenges.
- PO6 – The Engineer and Society Addressed societal relevance of green technology and environmental responsibility.
- PO7 – Environment and Sustainability Focused directly on sustainability concepts and clean energy awareness.
- PO8 – Ethics Promoted ethical responsibility toward environmental stewardship.
- PO9 – Individual and Team Work Required collaboration in quiz and poster preparation.
- PO10 – Communication Enhanced skills in visual and verbal communication of scientific ideas.
- PO12 – Life-Long Learning Stimulated curiosity in emerging green technologies and eco-innovation trends.
- PSO1 Indirectly supported systems understanding and design thinking related to electrical sustainability solutions.
- PSO2 Encouraged knowledge about control and monitoring of clean systems in electronics and energy domains.

CONCLUSION

The Clean Tech Challenge conducted by the EEE Department in collaboration with NSS Unit 180 proved to be an intellectually stimulating and socially responsible initiative. Both the Quiz and Poster Competitions effectively engaged students in learning, thinking, and advocating for a sustainable future through technological innovation. The event was successful in meeting its objectives and inspired participants to adopt clean tech principles in their academic and professional pursuits.

PHOTOS

