

Anil Kumar Bagarti *(India)*

Anil Kumar Bagarti works as a mechanical engineer in fabrication and maintenance at Shyam Metalics & Energy Limited, Sambalpur, Odisha. He has a Bachelor of Technology, majoring in Production Engineering, obtained at the Veer Surendra Sai University of Technology (VSSUT) formerly UCE, Burla.

He advocates addressing the challenges of waste repurposing which requires a holistic approach that combines technological advancements, economic incentives, regulatory reforms, and cultural shifts. By implementing these solutions, waste repurposing can become a more efficient, scalable, and economically attractive option, leading to a more sustainable future.

His exhibit shows a very simple approach to this concept. The Black Cobra in the context of Indian biodiversity refers to the Indian Cobra (Naga raja) which is found throughout the Indian sub-continent. While not endangered, their populations have been impacted by habitat loss, and they are now protected in India. They are known for their distinct hood markings and are associated with various cultural and mythological beliefs.

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Exhibit “Black Cobra”

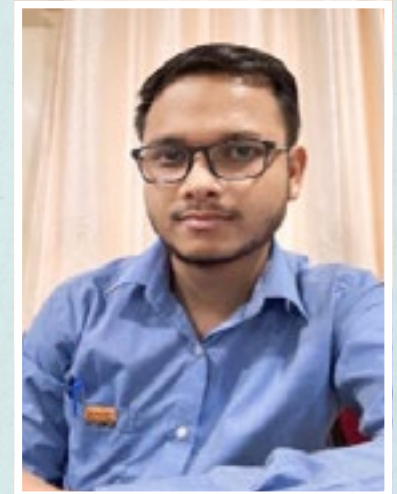
Black Cobra is a sculptural representation of the Indian cobra, crafted entirely from industrial scrap and discarded metal components. The piece aims to reflect the intricate beauty and silent power of this often-misunderstood reptile, which plays a crucial role in maintaining ecological balance by controlling rodent populations.

The construction involved arc welding techniques using mild steel rods, chains, and salvaged automotive parts, carefully shaped to capture the sinuous form and alert posture of a cobra. The unique challenge was to convey fluidity and movement through inherently rigid materials.

By transforming waste into art, Black Cobra underscores the potential of upcycling as a method of artistic expression and environmental advocacy. The sculpture serves not only as a tribute to biodiversity but also as a reminder of the impact of industrialisation and waste on wildlife habitats. It highlights the importance of coexistence and conservation through creative reuse, aligning with the values of sustainable development.

Dimensions of Exhibit

70 cm high x 58 cm wide x 33 cm deep





Black Cobra
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