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Best Practice-II Waste to Wealth





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Title of the Practice: Waste to Wealth

Objective

Our objectives are to transform the country's waste into a circular economy. Dr. Bhimrao Ambedkar University, Agra has adopted "Waste to Wealth" as a best practice to control and manage waste materials as well as creating valuable artifacts.

- > To contribute in waste recycling movement through creative process of art.
- > To develop creative ideas by using waste materials.
- > To transform waste economy of the university to circular economy at local level.
- > To create a work environment for positive emotions of the stakeholders of the university.
- > To strengthen and enhance inter-personal skills to create wealth from waste.

Context

Inspired by the Chancellor's vision, the sculpture department at the university pioneered repurposing metal waste from infrastructure projects into valuable artwork, championing waste recycling across campus. Uttam Pacharne, Chairman of the Bombay Art Society, catalyzed these waste-to-wealth initiatives as a chief guest in 2018.

Collaborating closely with students, Pacharne's programs gained rapid momentum, significantly reinforcing the university's sustainability commitments. Initially grappling with the challenge of metal waste, the university ingeniously repurposed it into captivating artwork, simultaneously elevating campus aesthetics while effectively curbing costs. This comprehensive and innovative approach, applauded by both faculty and students, gradually evolved into a campus-wide best practice for waste management and recycling. Its success resonated beyond the university grounds, earning commendation and enthusiastic support from diverse stakeholders including local communities, governmental bodies, and industries. Ultimately, this concerted effort has made substantial strides in enhancing the overall campus environment, fostering a culture of environmental responsibility and creative resourcefulness.

Practice

The University is playing the leading role by preparing decorative items through waste products which are used in decorating the university campus. Prior planning of preparing some



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decorative items give initiation towards beautification of University Campus and thus assisting the university in terms of wealth creation.

The student of institute utilizes scrap materials from the university to sculpture innovative murals, decorations and artefacts. This initiative not only enhances the institute's aesthetic appeal but also contributes to the university's wealth while empowering students with creative skills to repurpose waste. The process of turning waste into valuable articles initially began within the sculpture department, gradually expanding to involve heaps of waste recognized by university administrators and city officials.

- Sculptures from on scrap metal
- Painting without paint
- Sculptures out of domestic waste
- Sculptures from recycling plastic and rubber tyre
- Installations form waste material

The university is actively embracing the circular economy model. The adoption of initiatives such as Waste to Wealth demonstrates their commitment to converting waste into valuable resources. Through innovative approaches like creating sculptures from scrap metal, painting without paint, utilizing domestic waste for sculptures, recycling plastic and rubber tires for sculptures and crafting installations from waste materials, the university aligns with the principles of the circular economy 9 teachers including managing director and 98 students yearly involve in practice.

The Fine Art students, under the guidance of Dr. Ganesh Kushwah have honed their skills in utilizing waste materials.

This activity has not only resulted in cost savings for the university but has also fostered a clean and aesthetically pleasing environment by repurposing materials that would otherwise be discarded. Furthermore, it serves as a tangible example of sustainability, highlighting the importance of resource conservation and responsible citizenship. It demonstrates the potential for creative reuse of materials and underscores the value of making the most of available resources for the benefit of both the institution and the broader community.



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This gives the university opportunity to diverge and allocate the budget to other important fields of development which otherwise be used towards beautification of the campus and to otherwise costly waste management exercises.

Overall, the practice of students participating in Waste to Wealth initiatives embodies the principles of sustainability, innovation and community engagement. By actively involving themselves in these endeavors, students not only contribute to environmental conservation but also develop valuable skills and sense of responsibility towards building more sustainable future for all.

Evidence of Success

Our collaborative efforts with students, faculty and Agra Nagar Nigam enhanced Agra's aesthetic appeal for the 2023 G20 summit, inspiring participation across departments and reducing expenses on beautification items. This collaborative spirit also fostered artistic endeavours like artist camps and workshops within the University, enriching the campus with valuable artistic creations. Additionally, 'One Earth-Waste to Wonder Park' on Mall Road of Agra serves as a testament to ingenuity and environmental consciousness, featuring artworks crafted from repurposed waste materials contributed by university students and faculty.

Our waste-to-wealth initiative has been pivotal in Agra's sustainable development, showcasing creativity, environmental awareness and community engagement. A prominent tourist destination, Agra consistently hosts international dignitaries, bolstering the city's global reputation. Additionally, our faculty and students' contributions to the G20 Summit included crafting 45 artifacts in 45 days, highlighting the transformative power of art in repurposing waste materials. This best practice showcase our commitment to the circular economy and enhancing skill output.

We have used 4 tons of waste material and by spending 10 Lacs of money in fabrication painting and installation. We have created around 2 crore value of sculpture and artifacts. So as per market value we have saved around 1 crore 90 Lacs.

Problem encountered

Initially it was a challenge to gather waste materials scattered across its diverse campuses, navigating logistical complexities to transport them to the artifact manufacturing lab, but as soon as stakeholders started experiencing the sparkling and vibrant campus the problem is solved by the encouraging involvement of vice chancellor and registrar. The



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involvement of city administration has further added to the problem solving approach to adopt this practice at wider level.

Note

The artifacts reflect the concrete and tangibles dimension to evidence of skill and culture of the university. It reflects religious political and social dimension of the society and learning for circular economy. It is the best way of visual representation of socio political and socio cultural education.





Students of Fine Arts explaining clay artifacts (Dry fruits) to Honorable chancellor during her visit to the university on September 2022



Honorable chancellor giving her insight her vision to director of fine art Prof. Sanjay Chaudhary for converting waste into beautiful artifacts on September 2022



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Uttam Pracharne famous sculpture and former chairman Lalit Kala Academy, New Delhi along with Vice Chancellor Dr. Arvind Dixit, faculty and students of Lalit Kala Sansthan



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Practice

Scrap Identification







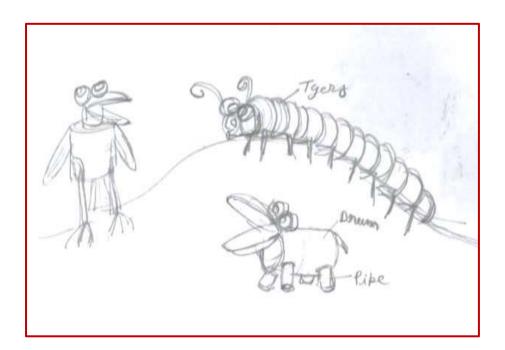


Different types of Scraps in the university and other parts of the City (like Poles, Street Lights, Rubber Tyres) identified to create art works



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Preparation of Drawings





Sanskriti, a student of BFA making drawing layout for sculpture



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Preparation of Drawings





Sanskriti, a student of BFA making drawing layout for Shivaji wall sculpture for Shivaji Mandapam of the University



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Shivaji Mandapam- Sanskriti, Ravi Dube, Mahak Gupta and Charul Kumari Worth Rs. 5 Lacs



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Preparation of Maquettes



Sanskriti, Prachi, Charul and Mohit (BFA) working on Maquettes



Straw Maquette for Melting Ice Cube sculpture



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Febrication and Welding



Priya and Abhishekh of MFA making 7 ft. diameter Globe Sculpture



Globe of 7 ft diameter and 8 ft height by Priya Bhadoria and team Cost Worth Rs. 4 Lacs



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Paiting and finishing



Paras, MFA, painting on peacock



Dinesh, Charul and Priya, BFA, painting on Bull and Dog



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Costing and Installation



Work in progress on Melting Ice Cube



Melting ice 7 ft cube waste pipes Cost Worth Rs.8 Lacs



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Installation at Waste to wonder park, Fatehabad Road, Agra

Scrap metal artifacts of prepared by students and faculty of university at waste to wonder park, Fatehabad road, Agra



Tortoise 5 Ft length by Brijesh Chandel (BFA) Cost Worth Rs.80k





Cockroach by Charul & Anjli (BFA) Worth Rs. 50k



Caterpillar made of tyres and iron scrap by Paras Jain (MFA) Worth Rs. 7 Lac



Chameleon by Abhishekh(MFA) and Dinesh(BFA) Worth Rs. 1.5 Lacs

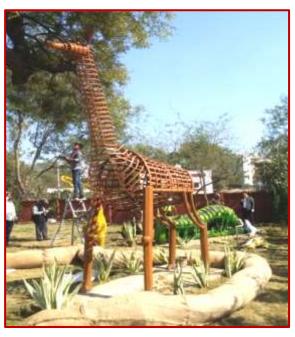


Betel by Sanskrit(BFA) and Prachi(BFA) Worth Rs. 1 Lac





Saras, 1x5x7, Nasir Khan (MFA) Worth Rs. 1 Lac



Giraffe 8x3x12 ft,Abhi (MFA), Charul (BFA), Mahak(BFA) Worth Rs. 6
Lacs



Deer 5x8x2 ft, Dhruv Kumar(BFA) Worth Rs. 2 Lacs



Dog 3x1x2 ft, Yanshu and Prachi (BFA) Worth Rs. 80k





Tabla and Dholak 6.5x3.5x4 ft, Brijesh Chandel(BFA) worth Worth Rs. 2 Lacs



Fish 4x1x3ft, Ravi Dube(MFA)
Worth Rs. 1 Lac



Flute 10x3x6 ft, Mohit Kasana(BFA) Worth Rs. 4 Lacs



Peacock 8x6x5 ft, Paras Jain(MFA)
Worth Rs. 5 Lacs





Pigeon 7.1x4.10x2.11ft., Dhruv and Brijesh(BFA) Worth Rs. 6 Lacs



Scorpion 4.10x2.9x2.3ft., Dinesh Chahar(BFA) Worth Rs. 80k



Lotus 7.5x7.5x7 ft., Priya Bhadoria(BFA) Worth Rs. 4 Lacs



Dog 3.3x2.4x1ft., Yanshu and Prachi(BFA) Worth Rs. 90k





Dustbin 3.1x5.2x4ft., Anjali & Mahak(BFA) Worth Rs. 90k



Cat 2.5x2.7x0.7ft., Prachi(BFA) Worth Rs. 60k



Welcome Man 10x4x4 ft., Mahak, Charul(BFA) Worth Rs. 3 Lacs

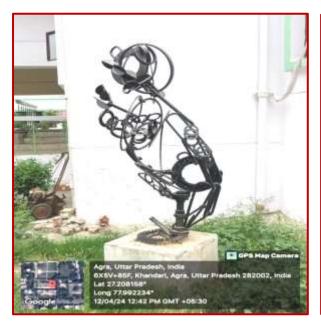


G20 5x7x1 ft., Paras and Dinesh (MFA) Worth Rs. 1 Lac



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Installations at Vivekanand Parisar, University Campus



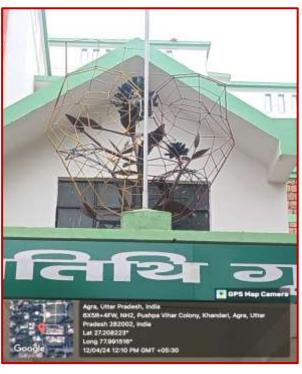
Abstract, Deepak Paunikar, Worth Rs. 3 Lacs



Anahad, Kishor Thakur, Worth Rs. 5 Lacs



Apple, Prabhakar Singh, Worth Rs. 6 Lacs



Face, Dr. Ganesh Kushwah, Worth Rs. 6 Lacs





Curtain, Pradeep Kamble, Worth Rs. 5
Lacs



Bull, Uttam Prachrne, Worth Rs. 6 Lacs

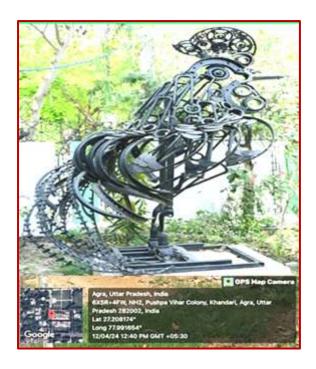


Cycle, Lavi Gupta, Worth Rs. 1 Lac



Peaceful Life, Ravindra Salve, Worth Rs. 7 Lacs





Cock, Nitin Mistry, Worth Rs. 8 Lacs



Chair, Vandana Kori, Worth Rs. 4 Lacs



Jalbharo Stand, Prachi, Charul and Gunjan Worth Rs. 40k

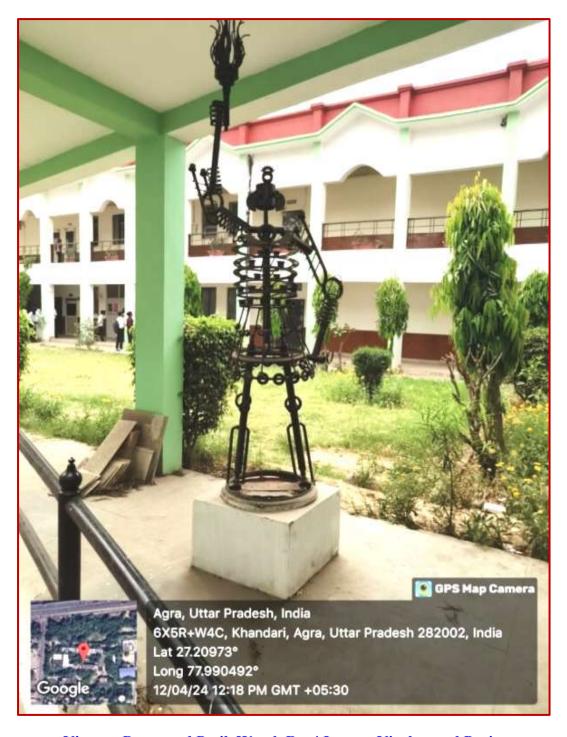


Abstract, Gauri Gangan Worth Rs. 4 Lacs



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Installetions at Vivekanand Parisar, University campus



Victory, Devanand Patil Worth Rs. 4 Lacs at Vivekanand Parisar, University campus



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Installetions at Sanskriti Bhawan, University campus



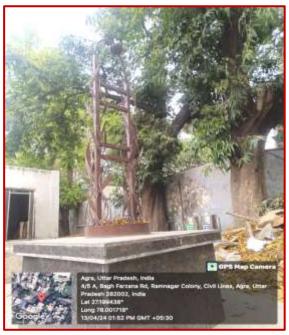
Mask, Dinesh Murti Patil Worth Rs. 4 Lacs



Nandi, Uttam Prachrne Worth Rs. 5 Lacs



Floating Bird, Vikrant Manjrekar Worth Rs. 4 Lacs



Love Nature, Sachin Chaudhari Worth Rs. 5 Lacs



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Painting without paint: Murals out of Domestic Waste









Art works by BFA First Year students through waste material under painting without paint concept each cost approximate Worth Rs. 10k





Additional municipal commissioner Shree S.P. Yadav appreciating IFA Students and faculty with certificate at Nagar Nigam, Agra



Art works by BFA First Year students (Ashi, Pooja, Shalu and Priya) through waste material costing Worth Rs. 20 k





Kawach, 4x3x2ft., Ravi Dube(MFA), Cardboards and Paper Worth Rs. 50k



Leaf painting through nailing by students on World Sparrow Day



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Installation of Terracotta and Stone Sculpture in Vivekanand Parisar:



Terracotta Clay Art Worth Rs. 25k



Baislana Black marble sculpture Worth Rs. 5 Lacs

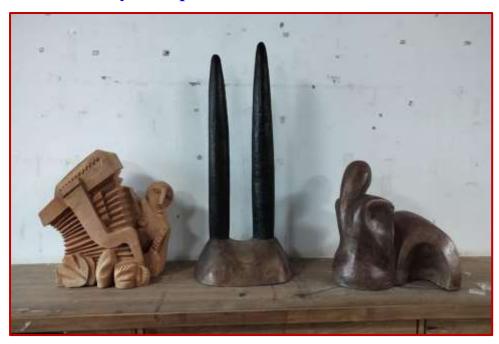


River, Madan Lal Gupta, Stone sculpture Worth Rs. 7 Lacs



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Installation of Terracotta and Stone Sculpture in Sanskriti Bhawan, University Campus:



Terracotta sculpture at Art Gallery Sanskriti Bhawan Worth Rs. 1.5 Lacs

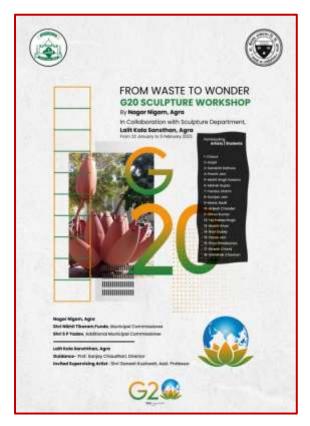


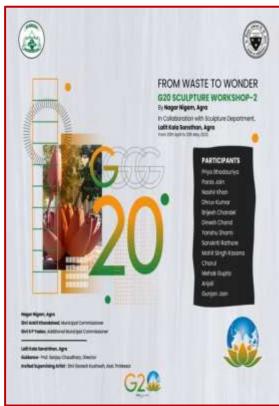
Chauki, Sundar Kumar (BFA), Terracotta sculpture Worth Rs. 25k



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Certificates & Apprication





Poster for G20 scrap sculpture workshop



Students and Faculty with G20 scrap sculpture certificates





Agra DM (Prabhu N Singh), ADA VC (Charchit Gaur) & Commissioner appreciating Dr. Ganesh Kushwah with certificate





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News Paper Reviews





<mark>आकर्षकः</mark> कबाड़ से बनी कलाकृतियां बढ़ाएंगी शहर की शोभा

रणविजय सि

शासार भी-25 जीयर में चाले छाउ को उस रिमार्ग में पढ़े कमार से सावती की निर्मा में भी भीता भी. इस कमार की जीवत केला संस्थान के छाउँ ने पंतर आपनेक कमार है कि उस में इसके साथ केला है कि उस में इसके साथ केला में तीन कि उस कार्य की उठीन प्रभावों में हुई सिक्ट के कार्य अपन डॉक्ट में मान मेहर कर में इसके बार केला में मान मेहर कर में साथ की उस की मान मेहर कर में साथ की उस की मान मेहर की मान

लानिक बला घोषका के अधिप्रदेश प्रेरिकार गरीज कुलावार व उनके क्रिया प्रार्थित ग्रां-व्यं करनकृतियों को रेगार करने में ताने हैं। 14 पितारियों में नार निकार में हो नोते के कवात में राजपार 25 कहा, कराजुनियों के तानिया किया है। वे जी-30 मंदिर में मानों कार के विद्यान मानते में पीतारी की नोता कार्यारी, बैंगा, नाजुल, कुछ, विवारी, कराज हुआ मेरे, विवारी, कारम, कींग, विवार अर्थ में, विवारी, कारम, कींग, विवार अर्थ में, वे कार्यास में कार आ पार्टि है। मेरियम कार्य कि मेरियम में बैंगा मानवार है, तो कार्यास महत्त्व में कार पुर के का्यास का निवारी किया में विवार में मेरे, बार्यास नेवारा च निवारी, बेंगा, बांगू, मंग्रिस, कुंबर अर्थीय में हुए









र क्षेत्र औ- 20 के रहत सुंदर वजने के लिये लितर कल संस्थान के कलकानों ने ओई के करवा हो बनई तिलनी, और, क्षतुरत और कुले जी कलकुलियों । लेगी द्वारा इन्हें प्रधार ताहर गर पह है



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Best to Agra G-2- Scrap Metal Sculpture Art Camp

RAJKUMARMEENA

In collaboration with Agra Institute of Fine Arts Dr. Bhimrao Ambedkar University Agra, a sculpture camp was immediately started by the Municipal Corporation in the perspective of G-20. In this camp, 18 students participated in the sculpture under the guidance of Mr. Ganesh Kushwaha, teacher of the Institute of Fine Arts. In this camp, about 20 masterpieces have been created so far to decorate the city from the old rubber tires lying in the municipality, which are being



built on Fatehabad Road, West to Wonder Park, and planted in other parts of the city, Mainly, Globe, Lotus,

Flute, Giraffe, Stork, Deer, Gijai, Bhrung, Tabla, Guitar, etc. are included in these masterpieces. 'Melting ice cube' made by the students of Shri Ganesh Kushwaha is the center of attraction in this environment-related park. This new initiative by the director of the institute, Professor Sanjay Chaudhary, for the promotion of sculpture and environmental awareness, will prove to be very commendable for the development of the city.

कबाड़ से विद्यार्थियों ने बनाए हिरन, जिराफ और सारस

माई सिटी रिपोर्टर

आगरा। डॉ. भीमराव आंबेडकर विश्वविद्यालय के लिंतत कला संस्थान और नगर निगम की पहल पर 18 छात्रों ने कबाड़ से कमाल कर दिया। इन्होंने हिरन, कमल, बांसुरी, बिराफ, स्वरस, खेलफ, तबला, गिटार समेत 20 तरह की कृतियां बनाई हैं।

लित कला संस्थान के निरंशक प्रो. संजय चौधरी ने बताजा कि मूर्तिकला शिक्षिर में 18 विद्यार्थों शामिल रहे। इन्होंने पुराने-फटे टायर, लोहें के कबाड़ समेत अन्य सामान से बनावा है। इसे बेस्ट टू बंडर पार्क और शहर के अन्य हिस्सों में लगाया जा रहा है। इसमें गणेश कुशंबाहा, नगर आयुक्त निखिल टीकाराम फुंडे का विशेष सहयोग रहा।







विवि के ललित कला संस्थान के सहयोग से नगर निगम की ओर से जी-20 के तहत आयोजित मृतिकला शिविर में छात्रों ने स्क्रेप मेटल से विभिन्न आकृतियां बनाई। 📾

मूर्तिकला के प्रोत्साहन व पर्यावरण जागरण की सराहनीय पहल

 स्क्रिय मेटल मूर्ति कला शिविर विवि के ललित कला संस्थान में लगाया गया

 जी-20 के परिप्रेक्ष्य में आंबेडकर विवि के सहयोग से नगर निगम ने किया आयोजित

के प्रोत्स्तान, शहर के विकास व पर्याक्तण जगरंग हेतु की गई इस नमी पहल की सरहना की जा रही हैं।

आकर्षण का केंद्र बना 'मेल्टिंग आईस क्वब'

तिर्वित में 18 विद्याविषयों ने लाँतित करव संस्थान के मृतिकरण तिश्वक गणेत मृत्यका में मार्ग एतिन में कार्य क्रिया इस वितिय में लोगे के स्थाद, त्या के पुराने दायायों से लाइन को सामाने के तिए लायाय 20 कृतियों का निर्माण किया जा चुका हैं। कियमें मुख्य कथ से मुख्य कमान, कांमुरी, जिर्चफ, सारम, हिस्स, निजाई, भूग, जीतक, तकरण, मिटार आदि कृतियां सामान हैं। गणेत सुरुवाह व विद्याविषयों द्वारा कृत 'सिन्टिय आदेस कमून', पूर्वांक्राण सम्बाधित इस पार्क में मुख्य आकर्षण सम्बाधित इस पार्क में मुख्य आकर्षण सम्बाधित इस पार्क में मुख्य आकर्षण सम्बाधित इस पार्क में मुख्य



आर्टिस्ट द्वारा बनाई गई पृति।





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Dr. Ganesh Kushwah and Students of Institute of Fine Art, at National Sculpture workshop by Indian Railway at Banaras, in collaboration with Lalit Kala Academy, New Delhi

Related Links

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https://youtu.be/sY25tL 6Llc

http://www.bharattvnews.com/18169

https://epaper.livehindustan.com/Home/ShareArticle?OrgId=626bc2d9fc&imageview=1

https://agraleaks.com/g-20-artifacts-made-from-the-junk-lying-in-the-municipal-corporation-of-the-students-of-lalit-kala-sansthan-became-the-center-of-attraction/

https://babanews24.com/23538/

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https://youtu.be/hx2GmIEOX-E?si=SBH9LUA1n 38Zn6n