

MAKING OF THE WORLD'S TALLEST
3D PRINTED GANESHA STATUE

A STORY BOOK



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World's tallest single-part 3D printed Ganesha statue

Members of the Indian Additive Manufacturing Forum proudly present this one-of-a-kind national milestone. This story is fuelled by our wish to create something bigger than ourselves, To combine individual strengths in the most positive way possible, and to express gratitude to the divine.

Here are some interesting information snippets about this statue:

It is a 10 feet tall statue 3D printed as a single part. Its footprint is 5x5 square feet, and it weighs approximately 200 kg.

It is created using a giant 1000 cubic feet, fully Made In India 3D printer,

This statue is the first 3D print coming out of this 3D Printer.

This statue is touring the country to raise awareness about the power of 3D printing.

Here's more:

Dimensions:	5ft x 5ft x 10ft
Weight:	200 kg approx
Build time:	3 days
Average speed:	Approximately 3 kg per hour
Method:	FFF layered deposition
Raw material:	Natural PETG pellets

If you wish to host the statue in your city, please email to info@aha3d.in or call Aakash on +91 9929904445

Read on to know about the people, the motivation, the part they played, and how it all came together.

Hungry for more? Visit: <http://bit.ly/iamf-ganesha>, or scan the QR code on the right.



JAIPUR



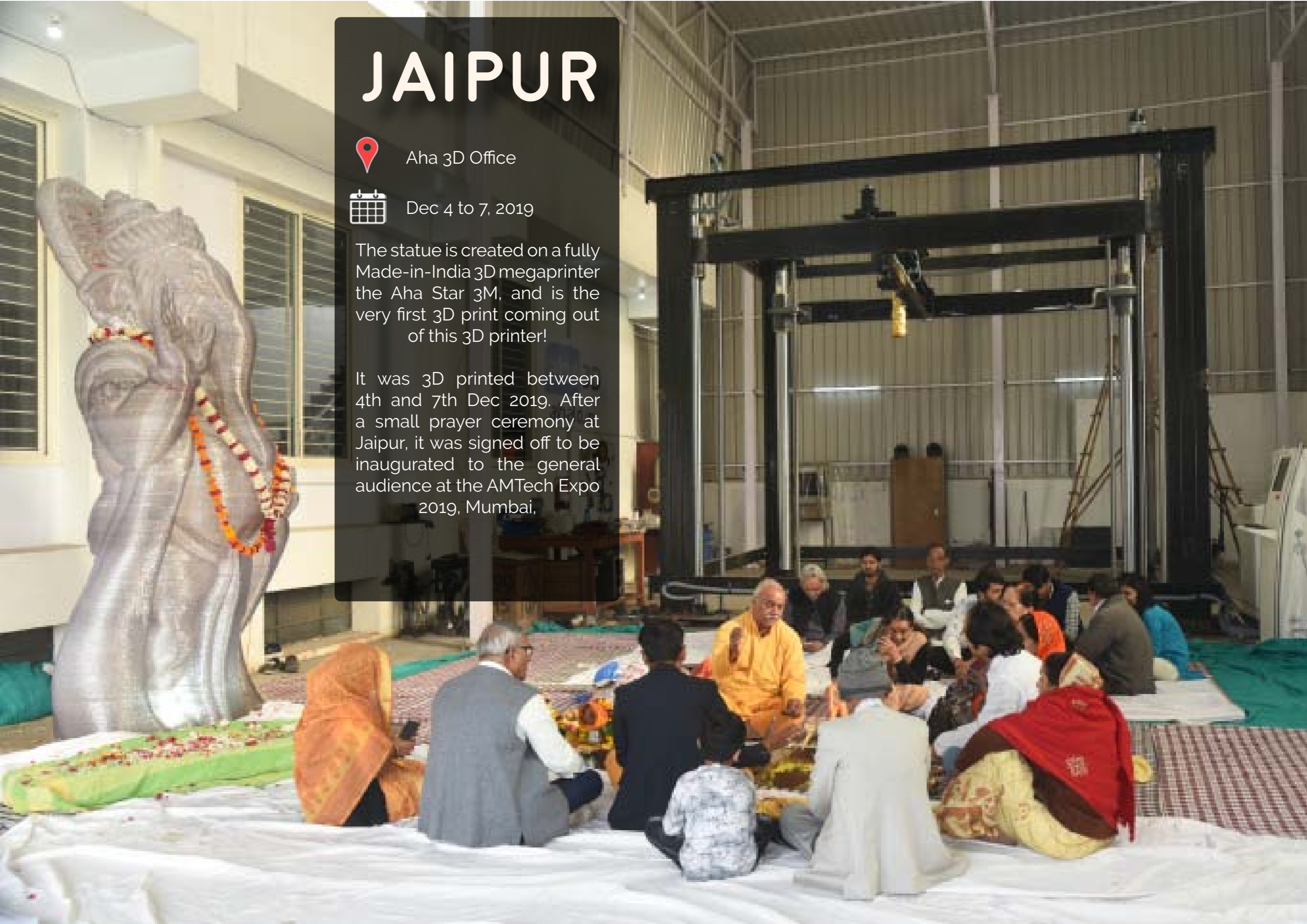
Aha 3D Office



Dec 4 to 7, 2019

The statue is created on a fully Made-in-India 3D megaprinter the Aha Star 3M, and is the very first 3D print coming out of this 3D printer!

It was 3D printed between 4th and 7th Dec 2019. After a small prayer ceremony at Jaipur, it was signed off to be inaugurated to the general audience at the AMTech Expo 2019, Mumbai,



Banker 3D Works, Ahmedabad

CONTRIBUTION TO THE PROJECT:

- Commissioned India's largest 3D printer of 1000 cubic feet.
- Contributed the machine time to the project.
- Took the first leap of faith in the technology.



Amit Banker - CEO, Banker 3D Works

“ 3D printing is a promising new domain, and I put my full trust into this technology and the Aha3D team. Obviously, we are going in the right direction. And we have just started. When Aakash suggested to do the Maha-3D ganpati as a community project, I agreed because of the immense positivity of this approach. It carries a much larger meaning and shouldn't be confined to a label. It is only the first proof of the limitless creativity and possibilities emerging from mega-sized 3D printing.

ABOUT BANKER 3D WORKS:

Banker 3D Works is your go-to place for innovative and turnkey manufacturing services. Besides having one of the world's largest 3D printers, our setup shall consist of a metal 3D printer, VMC, CNC turning centre, laser cutters and 3D scanners. Contact us for your prototyping, manufacturing and reverse engineering requirements.

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Aha 3D Innovations Pvt Ltd, Jaipur

CONTRIBUTION TO THE PROJECT:

- Manufactured the 3D printer, "Aha Star 3M" aka the Megaprinter
- Conceptualized and executed the project with member IAMF companies.
- Performed the 3D print.



Aakash
Founder & CEO, Aha3D
President (2019) IAMF

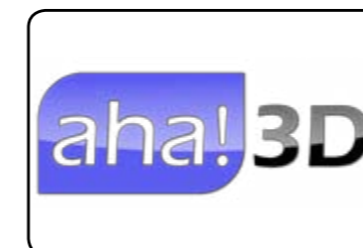
“ When the idea of making the world's largest Ganesha statue came in, it became evident that it needs to happen, and that it has to go the community way. The successful completion of this project is the most blissful and thought-altering experience. This has helped establish a lot of facts beyond doubt - the positivity, camaraderie and the technical prowess of the country's 3D printing industry and the huge potential of larger-than-life 3D printing. Thank you everyone for making it happen!

ABOUT AHA 3D INNOVATIONS:

We have come to be known as the large 3D printer experts. Our machines are uniquely evolved to bring true customized value while offering globally competitive features.

Contact us for large (500mm+) to huge (infinite) sized, world-class future ready 3D printers.

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आकाश ने बनाए सबसे बड़े थ्रीडी प्रिंटेड 'गणपति'



मुंबई में आज होगा अनावरण

जयपुर शहर के इन्वेंटर आकाश ने 3डी प्रिंटेड आर्ट में इन्वेंशन करते हुए नई तरह कृति तैयार की है। उन्होंने 3डी प्रिंट टेक्निक से 10 फीट ऊंची भगवान गणेश की मूर्ति बनाई है। इस मूर्ति का अनावरण बुधवार को मुंबई में बॉम्बे एग्जीबिशन सेंटर में होगा। आकाश ने बताया कि यह मूर्ति सबसे बड़ी 3डी कृति के रूप में मानी जा रही है, इससे पहले इतनी बड़ी साइज की मूर्ति का एक भी रिकॉर्ड नहीं है। आने वाले समय में कई कलाकृतियां 3डी टेक्निक में बनाएंगे। हमने जयपुर में ही एक हजार वर्ग फीट का थ्रीडी प्रिंटर इन्स्टॉल किया है, जिससे पहली कृति भगवान गणेश के रूप में बनाई गई है। यह पूरी तरह से कम्प्यूटर डिजाइन वर्क है, जिसे 3डी मशीन टेक्निक से डिजाइन किया गया है। इसका कुल वजन 165 किलो है और इसमें पारदर्शी प्लास्टिक का यूज किया गया है। इसे बनाने में तीन दिन का समय लगा है। गणपति की प्रतिमा का सॉफ्टवेयर मॉडल पुणे की एक कंपनी ने तैयार किया है और इसमें यूज हुआ प्लास्टिक नासिक की एक कंपनी ने दिया है।

मुंबई में होगा अनावरण : विश्व की पहली थ्रीडी प्रतिमा बनाने का दावा

बगरू में बनी गणेशजी की पहली थ्रीडी प्रतिमा

पत्रिका न्यूज नेटवर्क
patrika.com

बगरू, राजधानी जयपुर के निकट बगरू गणेशजी की प्रतिमा विशाल 1000 वर्ग फुट के थ्रीडी प्रिंटर पर बनाई है। इस प्रतिमा का अनावरण मुंबई के गोरेगांव स्थित बॉम्बे एग्जीबिशन सेंटर में 11 दिसम्बर को किया जाएगा। कंपनी के संस्थापक आकाश ने बताया कि आने वाले समय में अधिकतर वस्तुएं थ्रीडी तकनीक से ही बनाई जाएंगी।



बगरू में बनी सबसे बड़ी थ्रीडी प्रिंटेड गणेश प्रतिमा।

यह संभवतया पहली थ्रीडी प्रतिमा है। इस प्रतिमा का प्रथम पूजन बगरू स्थित कार्यालय में हुआ। इस दौरान बगरू इंडस्ट्रीयल एसोसिएशन के अध्यक्ष राजकुमार अग्रवाल, वरिष्ठ उपाध्यक्ष आशुतोष देवड़ा, संयुक्त सचिव अनिल पोद्दार तथा कार्यकारिणी सदस्य रमेश रोहितवाल उपस्थित रहे।

थ्रीडी प्रिंटिंग विधि में परत दर परत मैटेरियल बिछकर एक नि-आयामी वस्तु बनाई जाती है। यहां विशाल 1000 वर्ग फीट के थ्रीडी प्रिंटर का निर्माण हुआ है, जिससे कार, डोन, घर आदि बनाए जा सकते हैं। इसमें खासियत ये है कि इससे वस्तु बनाने में शारीरिक श्रम या कला की आवश्यकता नहीं है।

यह काम कम्प्यूटर के माध्यम से होता है। इसी थ्रीडी प्रिंटर पर सर्वप्रथम गणेशजी की प्रतिमा बनाई गई है। जिसकी ऊंचाई 10 फीट, चौड़ाई 5 फीट है। वहीं प्रतिमा का वजन 165 किग्रा है इसमें पारदर्शी प्लास्टिक का उपयोग किया गया है। इसे बनाने में तीन दिन का समय लगा है। (निस)

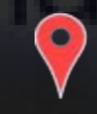
गणेशजी की थ्रीडी प्रतिमा का कल मुंबई में अनावरण



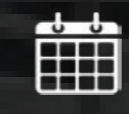
बगरू। औद्योगिक क्षेत्र स्थित एक संस्था की ओर से थ्रीडी विद्या से निर्मित आसन पर विराजे गणेशजी की सबसे ऊंची प्रतिमा का अनावरण 11 दिसंबर को मुंबई के गोरेगांव स्थित बॉम्बे एग्जीबिशन सेंटर में होगा। एग्जीबिशन में इस क्षेत्र की नामचीन कंपनियां अपने-अपने उत्पादों को लेकर सहभागिता करेंगी। संस्था के निदेशक आकाश ने बताया कि आने वाले समय में ज्यादातर उत्पाद इसी तकनीक से निर्मित किए जाएंगे। रविवार को एक समारोह में गणपति की विधि-विधान से पूजा की गई। इस दौरान बगरू इंडस्ट्रीयल एसोसिएशन अध्यक्ष राजकुमार अग्रवाल, वरिष्ठ उपाध्यक्ष आशुतोष देवड़ा, महासचिव अनिल पोद्दार, संयुक्त सचिव रमेश रोहितवाल के साथ ही कई गणमान्य मौजूद थे।

BOMBAY

imaginarium



Bombay Exhibition Centre, Goregaon



Dec 11th and 12th, 2019

The statue was inaugurated at Mumbai at the AMTech Expo 2019. It attracted widespread appreciation from the experts and the general audience.



CONTRIBUTION TO THE PROJECT:

- Contributed the initial launch platform for the Ganpati Statue at AMTech Expo 2019.
- Provided logistics support for handling the statue at Mumbai.
- Helped with outreach of the project.



Aditya Chanavarkar
Director I3DPN

CONTRIBUTION TO THE PROJECT:

- Performing the post processing of the statue.
- Handling the statue's display and installation at Mumbai.



Sohrab Kothari
Director

“At Indian 3D Printing network, it is our mission to connect the industry together. The work taken up by the IAMF community immediately resonated with our core mission, and it was a natural for us to support the initiative and host the statue at AMTech Expo 2019. We are happy with the way it went, and look forward to support more such initiatives in the future.

“ We have always been accelerators for innovators and we were truly excited when Aha3D, one of the pioneer innovators in the additive manufacturing industry, came up with the idea of a Mammoth size printer. Aakash came up with an idea for making India largest installation in one piece and was looking at collaborators to achieve this task. So we decided that SAHAS would be honoured to contribute and achieve such a milestone by post processing the entire installation. This is a prestigious project for SAHAS and the entire Indian AM community.

ABOUT INDIAN 3D PRINTING NETWORK:

Indian 3D Printing Network (I3DPn) is India's first web platform with a neutral approach for the printing industry to stay updated with latest news, insights, case studies and market research. Its aim is to promote 3D printing and catalyse networking for the 3D Printing Industry.

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ABOUT SAHAS SOFTECH LLP:

SAHAS - "Empower The New" is the pioneer in 3D printing and rapid prototyping, providing complete solutions across industries for last 8 years. We are a Technology and Innovation company that helps bring new ideas to reality for organizations and design studios through cutting edge additive manufacturing capability. Our Expertise lies in understanding the market, business and technical aspect of every challenge and creating a solution that is able to work across all these parameters.

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CONTRIBUTION TO THE PROJECT:

- Contributed in part the raw material for the statue.
- Guided with the right raw material and 3D printing profiles.



Shubro Dey and Sourabh Joshi
Co-founders, SolidSpace

CONTRIBUTION TO THE PROJECT:

- Taking care of a part of logistics for the project.
- Spreading awareness about the project.



Mukesh Chauhan
Director

“ Both of us founders are deeply spiritual, and recognize that whatever is coming to us is by God's immense grace. We received the opportunity to be part of this project as a chance to express our gratitude to the lord. The intention of everyone who made this happen is very pure and inspiring, and nobody did it with commercial interests. The first print from such a mammoth machine is a milestone, and it is a great experience to immortalize it in such a positive manner.

“ Collaboration is what actually called me when I heard about this project from Aakash. I truly believe that 3D printing is a humongous opportunity, and coming together is the first step we need to take to be able to address the same. I also see that the bottleneck to technology acceptance is awareness. So, I spontaneously joined the effort the moment I came to know about it. This project has all the right things with it - collaboration, spirit, and helping awareness towards the technology.

ABOUT SOLIDSPACE TECHNOLOGIES:

SolidSpace Technologies LLP is a leading filament manufacturer in India and specializes in best quality oriented multi-material thermoplastic filaments production for FDM 3D printing. Established in 2016, we serve diversified clients with delightful 3D printing experience. Our manufactured filaments are widely trusted. Contact us for best quality filament, timely delivery and great after sales support.

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ABOUT TECHNOLEXIS:

Technolexis focuses on bringing industrial knowledge to the customer. We provide an end-to-end service from designing to printing to printers itself for 3D printing. In today's world, technology is playing an important role in encouraging innovation in product development. Technolexis has the right balance of experts, human resources and required infrastructure that meets the requirement of current technocrats desire to excel.

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PUNE

- 📍 Abhinav Kala Mahavidyalaya, 21st to 25th Dec 2019
- 📍 Naivaidyam, Sinhgad Road, 25th to 29th Dec 2019

The statue was exhibited at the Abhinav kala mandir, the oldest and the most renowned art institute in Maharashtra. The audience deeply appreciated the revolutionary possibility that 3D printing creates.

It was also exhibited at Naivaidhyam, whose promoter shri Shekhar is active in humanitarian causes and helped coordinate the whole event.

Are you ready to meet...
**Worlds First 3D Printed
10^{ft} Single Printed Model
Of
Lord Ganesha**

Abhinav Kala Mahavidyalay
Sadashiv Peth, Pune

21 to 25 Dec 2019



CONTRIBUTION TO THE PROJECT:

- Created and contributed the 3D CAD model of Lord Ganesha statue.
- Managed the exhibition of the Ganesha Statue at Pune.
- Contributed other 3D print models for demo statues for the audience.



Vicky Kapure
Director - 3DAdda

“ In my role of digital artist, I've been designing sculptures for more than 3 years. It was my long-time wish to create a large 3D printed sculpture, To convey the real possibility of 3D printing to the users. Infact, I even got some sculptures 3D Printed to start exploring the space. This project came across as the right thing at the right time. I put in all my knowledge to create the best sculpture possible, and I feel fortunate to be a part of this community project.

ABOUT 3DADDA:

Contact us for 3D designing, modelling and digital reconstruction of statues and sculptures. We perform highly detailed and technology-aware modelling of your 3D models.

CONTACT DETAILS:



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Address: Kiviaan Technologies Pvt Ltd, Pune, Maharashtra, India

CONTRIBUTION TO THE PROJECT:

- Performing post-processing on the statue.
- Handling local logistics at Pune.
- Spreading awareness about the project.



Aditya Kumar
Director

“ It was exhilarating to be part of this project where Aha 3D has embarked on the journey of building one of the largest 3D printers in the industry - building a statue of Lord Ganesh of this magnitude is imposing in itself and we have been happy to be able to use our experience in finishing 3D printed parts for the finishing work on the statue!

ABOUT MARCO POLO PRODUCTS:

Marco Polo began its journey providing 3D printed services right at the turn of the century - over the years it has been a learning experience to work with innovators and being part of a support system for development of prototypes using 3D printing. The company specialises in providing solutions for functional prototyping for development of plastic components for engineering applications.

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We salute the Supreme Lord Ganesh, whose radiance is like a million suns, may he bless all our endeavours and remove obstacles from our path.

The Team

