Winner

Presented to: **XYZ**

Submitted by:

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Vision

TARE ZAMEEN PAR brings together unique resources to engage students for an improved public understanding of science, technology and cosmic discovery. Our effort includes, but is not limited to, establishing strategic collaborations with colleagues as well as creating partnerships with academic centres, societies, institutions and governments. Your adventure starts here!

Immersive learning methodology for Students:

According to survey, science demonstrations and planetarium learning program is more effective in understanding complicated concepts in astronomy. In a test involving about 1,900 fifth graders, the students who saw both the planetarium program and the science demonstration scored over 19% better than the rest of the group. Furthermore, students from low socio-economic backgrounds benefited more from the science demonstration than other students.

Since one-year Tare Zameen Par has been educating and inspiring rural kids in terms of science and astronomy through portable planetariums and been into supplementing the programs with live science demonstrations. The staff presents "**Science Utsav**" programs as well as hands-on activities. Our common assumption is that besides teaching students, science is fun and interesting, the extra effort reinforces what students learn in the planetarium program as well as concepts they learn in science class. However, until recently the value of science demonstrations in the planetarium has never been tested.

The planetarium is the ideal place in the public-school system to present science demonstrations. Since many of the schools under social welfare department unable to get to adopt these advanced learning methods and residential schools cannot take the students outside their premises, Planetarium can be very informative yet very effective immersive learning tool to be adapted in their current learning curriculum.

Current Alliance with Govt. of Karnataka

We have educated more than 7,50,000 students from rural areas in terms of astronomy with collaboration with Govt. of Karnataka, Dept. of Science and Technology, to implement Mobile Digital Planetarium project across the state.

As a turn key we have successfully designed developed integrated and commissioned 12 mobile planetariums in Karnataka

We also have signed a 3 years' service contract with Govt. of Karnataka for operations of these 11 planetariums across Karnataka and also providing complete and comprehensive service, AMC and technical support for 3 years,

We are also running 5 Mobile Science Exhibition (dept. of NCSM) buses across south India.

We have team of well-trained technical and logistics staff and science instructors who can take care complete operations
Project management team to ensure we always maintain the delivery excellence
State of the GPS tracking system to monition vehicle and crew 24/7
We also have developed a Mobile Application to manage and report the day-to-day operations and maintained huge presence on Social Media with 11,000 + followers.

Product

Immersive Learning Techniques are proven to be the best pedagogy of teaching as prescribed by the international Educational Scientists. Dome based learning is one such effective method of learning which is mobile and easy to be set up in all places with very less effort and time. As the CapEx involved in setting up such infrastructure which involves domes/projectors/High quality content/Audi video equipment/software is quite high, Not every school can afford to own or build the on their own.

- Customised Vans to carry the equipment's to the remote places.
- Inflatable domes which are easy to be set up
- High End Fish Eye Lens Projectors for creating 360 viewing angle
- State of the art Audio visual content for creating immersive learning environment
- Indigenous content in both English and Kannada (Local Indian Languages)
- A short Kannada movie to shown while kids wait to enter the dome depicting nature truths and superstitions

About Innovative Learning tools

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While the prescribed teacher-student ratio is 1:35, as many as 21,947 out of the 75,489 schools, including private ones, in Karnataka have just two or fewer teachers (Courtesy TOI May 2, 2016).

With the similar infrastructures and semi-permanent structures with content on tourism and heritage, we can set up shows in famous tourists' spots.

As per the KTVG's report, the tourist traffic in the state is projected to increase from the current 100 million to 210 million by 2024. An investment of Rs. 54,000 crores have been estimated in the sector over the next five years (2015-20).

How effective is Dome Based Learning?

Education Scientist, Manning (1994) stated that planetariums operate in all three realms of learning: cognitive realm, psychomotor area involving physical action; the affective realm; and the realm of feelings, as we encourage greater appreciation and enjoyment of the sky and try to cultivate a sense of the adventures of science

Product/ Solution - Readiness Level

- Dome based education as a concept is completely integrated and has been successfully delivered to school students in rural part of Karnataka in highlighting awareness.
- A pilot project by KSTePS (Govt. Of Karnataka) at Chikkaballapur district is already completed successfully.
- We have already bagged work order from Govt. Karnataka for supplying and operating 11 such planetariums across Karnataka. Government of Karnataka has chosen this product to deliver these shows to all the government schools in Karnataka for next 3 years
- In partnership with DSERT and department of public instructions, we have mapped the dome shows with syllabus of the students. and have received overwhelming response for the same. We are also working with number of private schools trade show event managers as edutainment partners.

What We Propose for Corporates:

- Dome based science and astronomy awareness shows focused on eradicating the concepts such as Secrets of sun, Biography of Universe, Solar Super storms, Astronauts Show etc
- Reaching out to district and taluka levels and educating people on Science and astronomical benefits in curriculum.
- Like outreach programs designed for department of Science & Technologies, we want to propose the same for educational institutions under Corporate companies. A 30- 40 minutes digital content suitable for dome view to be created in local language to be showcased in different schools and colleges across schools of India.
- A van (Similar to Force-Tempo Traveler) to be branded with objectives of showcasing CSR of XYZ company and customized and fitted with all the accessories like Power Generator, Solar UPS, GPS, Storage Units.
- A team of 3 resources, two technician and assistant technician to run the shows and a driver for managing the van and crowd
- An introductory movie to be made on why this initiative and providing basics of this initiative. This is to be presented to audience before they get in to dome to experience immersive learning.
- Work in coordination with concerned departments and our existing network to plan logistics and delivery.
- Measure the effectiveness by taking feedback using mobile application in the form of video and text.

Our Achievements so far

- Close 8,00,000+ Students have experienced the shows
- Visited around 1900+ schools
- Around 11K followers on Social Media
- Educated more than 7,56,000+ students in terms of science and astronomy.
- Partnership with National Council of Science museums(NCSM)
- Partnership with Tumkuru Smart city.
- Accolades from ISAC/ISRO
- Partnership with Karnataka Science & Technology Society
- Alliance with DSERT
- Creation of our own content
- Participation in ASTC
- Recognition from NASA
- Tare Zameen Par has won us the **Elevate Award** from Govt. of Karnataka recognizing and funding as one of the top 100 innovative startups in Karnataka

Commercial Proposal:

SI No	Description	Pricing
1	**Per student cost estimation**	**Rs.600/Year.**

Terms and Conditions:

- 50% advance payment to be made in advance by DD or Cheque in favor of "Tare Zameen par"
  Payable at Bangalore along with the Work Order / Purchase
  Order. Remaining 50% to be paid on the last day of the show (only applies if the equipment is hired on a daily rental basis)

- **Cost of the transportation has to be borne by the customer (Transportation charges will be estimated as 10Rs/K.M and also includes interstate tax).** Our van is going to be accompanied by driver and instructor. There out of pocket expenses such as food, accommodation must be borne by customer.(***Applicable only if the school is outside Bangalore**)

- Varnaaz is not responsible for cancellation of shows.

- Mode of payment is either cheque, RTGS, NEFT or D.D. Please avoid cash transaction.

- If the customer agrees to go ahead with the blocking the dates, he has to take this commercial page, sign it saying accepted and send us the work order to our provided mail address.

- Customer have to provide Staying and food accommodation to our staff

Success of Tare Zameen Par and some Glimpses of feedback

Ms. Chandrika
Teacher | School of India
https://youtu.be/XVWJyIEKhbU

Ms. Pushpa Gupta
Senior Manager | In2it Technologies
https://youtu.be/WfLLpymphME

Shri. Siddaramayya
Former Chief Minister Govt of Karnataka
https://youtu.be/jtyrUejpB8I

Dr. Don Thomson
Former NASA Astronaut Chief
https://youtu.be/bKAEPBScGw8

Bird View on Tare Zameen Par planetarium!

TARE ZAMEEN PAR IMAGE CREDENTIAL

Some memories with Padma Vibhushan Dr. Anil Kakodkar during inauguration of Mobile science exhibition at kelva

Some memories with Dr. Kiran kumar Former chairman of ISRO during International Dome festival




With Fabiola Gianotti an Italian particle physicist, the CERN Director-General

Taare zameen par
DIGITAL MOBILE PLANETARIUM

Winner
ELEVATE 100

Memories with Karnataka CM Shri. B S Yeddyurappa during inauguration of 6 new planetarium vehicles