



Bold Inception

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What We Stand For

Goa

- of our school to embolder them to take up the challenge.

Filesents from who we take

A partfalio of proportions

The Legacy of Our Own High School

ber since two of our members did the this technological challenge (for school has a prest track position team in our school, we aim to uphold that legacy.



mula Dre Racing and

changed I Inneven

can be compared to

our zeal of changing

wen the best portfolio award in the 2014. National Finals while Team Mistin 2013 and 20% National Finals and placed fourth in both. As one of the first teams in school. Pistonari provided invaluable information and shared their









placed third overall in the 26th Nationals and scored the best portfolio award in the Nationals 2013. They had also received the amazing chance of being able to parligipate in the held at Supapere. They provided a lot of a goal that we a medito top.





For that, we express heartfelt problude and hope to make them croud in the National Finals.



Enigmatic Team





MICHAEL SCHUMACHER

The mest successful driver in Formula One history won his fourels because of active teamwork, which is what we as a team aim to do, to











Team Organization

To ensure that form transferation in nations in the most literature and the form transfer the following international deposition for wave value and position the formation was a transferable for project of entering our ing critic own respective, provide formation and wavey form member was expected to give his contributions and showing to the contribution and showing to the contribution and showing to the contribution and showing the contribution and showing to the contribution and showing the contribution

mention was expected to gave his application and inner by to world the job uncertaken system. He is respected to make critical con to business to justify here it.

Overlapping of Roles - Role Interactions

This peak is considerable of our registable advises the any piece of deal the flower enter indexes preciously displayed to the peak in the content indexes preciously displayed to the peak in the content of peak in the content of peak in the content of peak in the peak in the content of peak in the peak in

Enigmatic Team

*ROHAN RAJAN - Team Manager

He is including of the smooth functioning of the beam, the side of hidsey afterfree than division of labour and meeting department the gives his best to one of the theory meants are a compet the edge.

htal Contributions
Portfolio Contant
Project Management Strategies
PC Contant

*KARTHICK SHANKAR - Graphic Designer
He can be adjusted the most consistent and the learn. He can

perallelled image at an interms the very core of Torosteration Equilibrium the airo charge of effectively using the clethors of overlable computer software for gaing a bod and elegant lock for Torosteration.

Team/centry - Werba Presentation - Portfolio Designs - Pat Banners and Brochers

*DEV KHARE – Design/Manufacturing Engineer, with cuting edge software technological and modifier of which importing he is industry of making the indusced dynamically advanced on passable Hare his discase with backers to design a modifying Partial Cognification.

-Designed Find Dat - Wheel System - ON Analysis - Pointing

*GAUTAM RAM - Design/Manufacturing Engineer
- Note member with very less insight on manufactured card as well as
an observable of providing magnetic by a street common or man-

uf adjused. He mediculously so does to the regulations and works along with Device deliver an adjusticing care.

CFB Analysis Assembly Process Research Concepts and leaves Post Manufacture

*AHSAN FUZALL - Resource Manager
**Fe is indrage of planning and taking care of the terms budget, He
felse for ways to gond as the set passible while diff maintaining re
quired coulty and partermance dunds as.

-Sponsordio Algorithms - Convolled exceed ture

*ALAN ALEXANDER - Marketing Manager

*ALAN ALL XANULE: Marketing Manager Signalin and publicity is his area of work He tries to promote the team

Exposure and publicity is his area of work. He tries to promote the team as much as possible by means of social media or through promotion composers.

Marketing Brochure -#Properties Campaign

-Buckel Carter Frology

-ANTA Collaboration

-indenie exampleor



Team Name

The first speck of identity of anything in the universe, be it living to incremake is a name. Againty split requires attended and dare as that well burn out to be the face of whatever to does Traveleration was the result of Alfordianky discussions and Lermon Rowe I sental as what early harriers during the Tradition on speed and record ob-

are purchasentia in deciding the identify of the overs all commendees.

were received in give we oble and notable coulds from in this expert hypelines relected as authorn or surs. Surf

is the case as we wanted originally from the more conventions schemes such as Ned and Black Bloc and White, are The Mike Algori

Photbal shoes ware the source of inspirate

in choosing to colours. Since the popular

Team Slogan

The singuity system would the people partials II to gain from the team. We wont in show others how

BE DIFFERENT.

Team Lopo

BE SPEED.

The teambase's concernment of maligns throw a differ well-at we went to convey to the pacific it is based on yord participant and has a nich mesning. And her professional concept to the logs is the fact that it doesn't have a single-colour. Most teams make one logo and seep it the can be changed according to the acceptant is used in the main corpose of this burnished to with the profit of the State of Stat

New season of 2015 demanded improvemen and innewson, it's such we came up with th concept of intertwining baths and designed scouding daget.



Logo Development

The agovernment that ghis number of phases we tred are an all types of logos and continuelly improved the designs over the years a set to the corrent artistic beauty. Uriginal Concepts



This was the first, one that we made back in 2018 have been out as an items to depart modiam transplactions them in settethe participal theory on conveniences through a sange



Evelothe partiles and the previous largestonged in to a more conventional type in logo that decolo exilicas y be able to recall



In 2014, we were connecting at the internals yet again and thus needed a more professonal lace which looked more mature than the rether thicklinings that we has





Torse Worker





secution of what 71 is Secondary on Ivaliable 8

Team Colours

White represents perfection

TRAXELERATION

















Nascent Graphics





FAKIGIN

The characteristic

way in which he

crove his car built

dentity which is the way in which we

arm to build our identity by being

The Element of

TRAX has been something that has been inherent in or identity even since the inception of Traveleration, it underlines the objectives of our identity. Those 4 simple, but meaningful words set he red is record our ratebilities



over time, the word IRAX has also become a sort of a cools use to fondly retectors

The Essence of TRAX Graphics

A claim is a semiconductor device coudito employ and switch elecrora: signals and electrical power. It is compassed of semi-orcholic restand with at food from formation for consection to an expectal are, it. The three berminals stand for low ceneris of prophins which

ower source can amplify the capulo birs of the graphic segment of



Graphics Consistency

To ensure consisted country across all aspects of the competition the from set out the elements that should be incomprated into all the team's products, from posters and brochures to the porfolio and the car. We made sure that a lifermal documents related to spansorship and marketing red a water crobosimalom frances roung limits and the gright's section certainly achieve to into



Competition Uniform

Dur competition uniforms were designed around three main factors -Traceleration Racing's coal with uniform was to emulate a formula iteam but also still wanting to he set agort from all the other trams. After some extensive research to use de met sports. dothers was the best on on or such a scenario. This helped us to





Posters and Propaganda

Propaganda is essential for any FI in schools team. We pride ourselves in having some of the best designed dasters which show off just how skilled Traveleration is - while counting for the hard work and effort put in by the members. The variety of posters that are shown, explicitly identifies us



Car Graphics

How the team & through our car. Therefore the presentation of this is key to promote and impact the eye and interest of our supporters.



















Generating Potential

West Trace oration helpine in continuous oration man Land evaluation to keep track of our progress and to a four flaws. We thereby have incorporated many strategies into our team structure to keep its

Phase 1: Stockpile and Research

The first phase of our project is all about raising funds and occurring knowledge for phase 2. Accumulation of resources is imperative for any supposed a project. We have respended this requirement and hence. have belon good pair in severing that this phase suspended. I was cured to approach various companies for appropriate We have therefore deward algorithmic approaches to achieve this



about various project elements is necessary to ensure project success. While research about design, manufacture and post manufacture three stones detection interval part of currol this phase, we have also seccertified its read for other areas such as practice and marketing strate-

Phase I was allowed to exceed into the time frame of phase 2 to ensure colum, miresuits. For communication, we manify used a program called Team/Newer and Google Hangouts along with conventional means like telephone and SMS.

Phase 2: Execution

The second phase of our project is all about making use of our sources and knowledge to obtain the desired end product. Execution was spread over all aspects of the project design, manufacture, graph ics, promotion and documentation, in this phase also, effective use of



Execution of each project a ement was undertaken by the respective department who would in tall a present proposals to the ordine team. which on Jother autonomies accessmently out into a liter

Phase 3: Inspection

The third phase of our project can be considered as the least time consurring. Not the final end product of our project will be being its ? without the third phase. The phase run was be considered to an where went through all our projects and made sure that they were in prefect order. We also did our went incressors on practice and tweeking during this phase as we has the Tam Build the Humaning wareur social media platforms, it was at this I me that we approached our thannond scenage Out News and started our impregnduring our hallonal Finals preparation.

Risk Management Every project has its inhinered risks, but what's important is how the same corresponded solutions to those risks to ensure smooth functioning. Given below are fow of the highly shided risks of our project.

*The Academics Scenario The Academics abenand
The has been considered as the single most inhomet risk within our project. We as students in our final year of schooling have a range of

prior ties related to our higher oducation. withour washing to the for flip Schools, has conding including to any flow of works. To ensure that this does not harmen we have decided





*The Time Scenario

Time, if managed properly, could cropel a learn to greatness. If menaged poorly it will have doing a stiminute jobs and ultimately not letting you showcase a team's true talent and ability. Time Hanagement is thereby quite important.

The risk of time is also intertwined with financial risks and to responsibilities intale. For instance, if we do not get anough funding when we need it the most, then when we do actually receive that fund ing. I will be too late to get any good us from the resources accomplis-

that sendonic appenishibes to swalow up alst of our time and hence suitable measures of compensations also need to be taken up. we adopted to make making morn use of time. (See page E)



*The Financial Scenario

Perular funding and sponsorship can well be considered as the bed ing. We thorsely categorised this as a go bankal project risk, as we have seen many biomy hit do that behald himy addition: The bear deene: I necessary to End ways in which this risk could be averted. One preside way was to have a strong cultime of obtaining in sind open codings, which much more explain to obtain their monetory sporecifies.





The pricate way in

which be managed his Ferrari was not of the most sought after team, especially during the Schumaring with dilumnar







Traversing Obstacles





CHRISTIAN HORNER

As one of the people Bull's incomitate our pass be colling man managaman) and tacties ensured championships. This shows the type of project management that we are to

Quality Control Control to any seam smanagement is quality control we as absorbe-

learnither must be precisite be up held in all assessed our project for it. design manufacture, marketing etc. However, quality sig ordere that a security with impandious lasters as well for ear role one of our can let nece considerages aboved great results on IP 3 and hence we

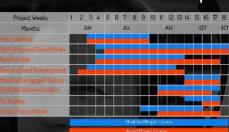
We so I persisted with the ties on, and had it printed in a material that would be cheaper and hence stay within our budget faula by compare imised. This resecond objects were alted in breakage on the final race day of the Duals make which tought us a subolimitation One le son seperielle unite al milite let per retarene



Project Management Evaluation

etimalina dvan rapesar latte initial properations in bleshops As national from the time inc. see the data from our projected plen and this our owers Lobo removed modificants required to level

he raising of sufficient funds required for the competition took much on not recommended as acts peleglic velocited in a labor is process. our request. A request strategy enabled the tearn in large, level taxpresent succeeded a and the beam was better this to promed and collaborate with the newscor was wanted book reposure in 3 (See Food fill)



Project Revision Strategies

The fundamenta in annealism employs we employed for the most fundemental vacable nounamentways a which was headed by aur beam's Resource Manager the results of which was continuously scrutinised by

This was for obvious recommendation manager annulation was y department of the term. This program was broken to keep our him mobile and accretable to the manging financial smolling of the warr n bearing of funds reason

his was conducted every 2 was as which not only yest us updated on currimencial stables subalate indirectly on our oward temperes as well

The wire parale of the partiard a

-sinformation to inviole about edifficial beam departments ingo ming potental immediate expenses as per progress on the project Complicition of total excendibure as periodic from team descriments -Comparison of this expected total desend ture with one fundament

militarile est entides have had great -sfollow upon patential gain

of a rulebon of the sed budget based on data on lected added to years for meny of their and of their

the BCP was in Iso Fairby sensitivities as it affected at the depart ments of the beam who most stinden our coins made to achieve to Herwindson's











Headstrong Marketing

With Linear mobiling copie would match a possiol. This is the over we post mode in the picture of the mile of words were the middle of the mile of the

Phases of Marketing

"Phase 1: The Startup We started our rampaign by the acting assessmess about traveleration via our isoebook page, We were guickly able to

amass over 500 likes, thus preuring that the public was in the knowledge story transports by move from to twitter and cathered a *School Footbal Team Sersies mass to lowing there as well We a se soons and our self-*Phase 2: Full Fladges Campaign a) After the team act the initial publicity that we needed we

becan to routinely bring people is Trevalend streeted len sell have eration men hand se of the abourse away this This included key chains it shirts arm bands caps etc. This *Cornection Day Marseting generated, not only a good fan following, but a soldeveloped Asserted of relabilities

of Publicity in school was of no issue as we put up a of posters/brochures before any event and thus let the com-

or triby store that we are all in it to win the Branding and Return on Investment

*Cookery Competition

Three of our members partially a solin accoming year publish put as the severon of preparation states. This was an important way to get



*Social Media





the use they party palachinths. "REF of where in consensed Thru halfur he had the author had the board bases



The body and competition i emissaids as the ate comed his logics and provided more main purk stylin holds.

beam and the appropriate

*Gulf News Report Bull News cold shocks full and at a party on 5th B-take 2015. The



two of our members were welvieneush. to be invited on ay on the 1915 for an hour IT was some the manual Tress or-

*Parisvally Perfume Sale

As part of the economic pool with Parison to we assess to set of the man products have nether stance profit by paramora as

Transferance is a labout 'We county count, one the following actions in order to build up our stand image as well as preums director. Potics of transferred

*The Passance of Speed Dir ercrete Far svolly restumenden greda distantiant perfume the fee Treasurers on take only they are not expect to proport and it was sold out each no matter of hours





*G.df News Advertisement

To further person modeling automath and anappar experiments





•Nikon Camara Sala

loazed us with our function we so laborated with Nilson and arroad to



 Miscellaneaus R01 -o'Abertisements of springers in the pitaligates on the

- Company Logo on pages of the Administration of the spanning website on our faceback page, twitter of a Company Logic in preferred spans on the Ministration.





nant marketing parsonal bas of Hercode: Benziensured that Mannades panelsed out to the world and evenvene knew what the

three-spoked loon was all about. Following his asample, we marketing sector so











Encaptivating Collaborations





ENZO EFRRAR

Forvari is today one crean zabore in mo incaport rating yet all the time of its in-Entre Ferrari had be take help from variprotecto make his

the heip of our spon









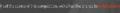
consider consolves privileged to revergotten an obsertion to be collected.



in the field of attempting line.

surficies perforers and provided to

they produce, we



Gulf News However and Economical Records in makes it are at the most based in a formagiven is huge public to by a. Miching a report on the from They also go risper instrumentations of which is a recty outlish on not just award a team for thosport body has been rever to be a harped and in

Nikon

where below as word common with each searment separate valuable links from their however of an integer has have across the place in the extension place contributed a designating Westerings had a set of hear that friend had agreed to indistinguish on by agreeing in paid our better.

They advand on on the food make allocations in the agreeing in paid our better.

the theologywords for their Continuous of common which were of great seein our marketing

ids in their respective industries. This the period many of our difficiant exposed us to the professional





GULF NEWS ANTA Sports

Minimutation componer, being the 4th project sportsweer com cany in the world. Into recoording go is revered all around the world. The comilway thus costs he when we came to hear that AK iA had dedecate collaborate with us and become our uniform partners. We ware pro-

wester the did for eller by public





Parisvally Perfumes

Weakle or blorated with Partical + Perfumes in supported their next in twelve maileding shallong which was or is not a self-signification. From a result Speed - Introductions can per train per firms fate analysts nearly with the designers or Parisonly what advantage maters an along red florest types of ingrance is well at the constant and the peliume bodie. We are you groteful to Pareival y Rent, meeting their suppost in their suppost have been un que marketina concept.



Verbal Skills with Hani Mashnouk

A Transmission champion are an expell in the field of polis. questing. We have Markettak had man production our vertal presentation Bengalormer with tion Lides Hr Hydron & hydro shared with us, burning our session with him, we're extremely protective Mt. Machinoux for all the support he had a venus to a larger per suitable section dalls.







fotokad

Driving Resources

Pincheskow becomited a in and hence it a sear thread hear thread By to probe it reasons management effectively expected entities about notice one areally we new new agained this need and hence peed goests although to this

Time as a Resource

A very important factor which all team members either to be was dead incomission and adoption of the few street grade & st. deals academics take up also of quality governith makes it impossible to has any demake week to a similar the LH which of time wide no. pertorio de como e academia. Vé de llásituma eleberosoca

*I Hour a Day

The administrating who like the to The manufactual his stratery see Instruming a community of the reset of Flore both. This ere, net downstner, be moreney.

*30 Yigutes in School

Burner read tion in 20 art in transplations and a 15 main dispays between other their entendings and the first period The manufact at the is to use attack 20 minutes of this time for the purpose of 11 his chools. thus ensuring a minimum of \$50 minutes of every

Resource Control

One of the most important concerns in the mode of a frequence more payes in turnion had execute of house in overseand Sucreasing tion arises in cases where there are no background checks conducted

-> Time or straight which caused a period on hoursylbud checking -ollowated and apparential annual

We considered the variables involved in the issues above and realized

med Halasa a product was purchasel increasing bearing the second and instruved the cla feren product programmes being researched before authorization in

«Auchaces were to be made within the personal assess to ensure that the product is not available due to time constraints. alredynant was we made this was are not obtain better Become

softre beam's necron ermanager has informally salt forticulate informawhich are not cort of searce expend time. This engines that from members do not speed for nems of the than those of reference for it in schools.

Sponsorship Packages

For the purpose of approaching corporate which demands for special ships we bearded young a mortest in a brothere which has executions of the evance in cothe competition and all i





DIAMOND AED 150004



EMERALD





TOPA7 AED <5000

Sponsorship Acquirement Algorithm

the majority of resources the live obtain it not all are homeunically developments it would be altitude shed that goods was recited to approach vehicle opposite for approaches We row therefore decised 2 algorithms in In a drawn Hak

4 Past moon gladow up

Wekin himseromous

2 finithe statements which first possible relevant outset cetal. Affect Vectina/ to low up meeting

Budget

As one a ned on case 2 our budget went through a sones of rowsiers. owing to promote financial dates of the from, the ofference below and the projected bedget and the actual bedget was quite substatia di ain wir kama barrgeren der im tracife

Funds (Sources) The fundament by the term were w-

report that up a variety of sources day were exercise as through in sunhing his answed that our duten







myocher and braid ed in the automotive foundar of behis Cars His radical rethis kind of mnews





















Inumerable Prototypes

TX16 - Codename : Glepnir

As our uncertainting of laws in design grewing experimental with the first of the CD, contains and the mass. We decided to make a statism mass are small to statism and the heavy invest endorsed coving aurets. This model was quite armatistic but its full solvental was your me description.

To all great designs ther lies a failure that helps shape them

TX17 - Codename : Zephyr

Dur morvated wing systemics shown here. The rain however it was quite bully and needed to be hored drivin. Another major provision was the hight of the canister holder, which was minimized so as to be able to impart the whole can evenly and ensure as morpholic.

"Recreation is more importand then change Who knows white you might end

TX22 - Codename :

Mediace for more han speed and stating our final cers in the area in the amendment. The other cert usage of these amends sy the certificial certification. After this long and the TLB we created a nate that was cerlined more stable and insutance. The design is simplication were the design is simplication when the design is simplication.

rfection is not atternable.
It if we chase perfection
e can catch espellence.

TXI9 - Codename : Mustang

Duringerals on which was the Shifted service of the event inhemity had flavor owing to breaksgoss of the force of the hoogh is once was send prantit, it ended up the right fragle and it was those doed that improvements were to be made.

It is easy to complicate a design, but it is excutiatingly difficult to facilitate it.

TX08 - Codename Stingray

To follow up provious failurative meand along with a very stack front. This can performed much batter but we ended up not using that this was also guide complex. An immovation we had here was the structure in from of the wing wind was that the perfection to achieve perfection.

'An idea is truly utilize when executed perfect









Fruitful Analysis

Coanda Effect

to reduce low pressure drag behind the can we want the amathest lev Therefore excellent increasing bad being we wan the air hoshikkin me hops for as long as possible before separating and recognize the tree pressure water. The ties of two for the o sen between and state the both much more than beginning two Therefore to make the airflow series turbulent, we should incornerate small cima as or a roughour application that the country layer will hald the body to tier period at notherways reducing the lower tizare as a conseque three being formed that decrease its should be never Indexecourries of backering divin di-India



Upthrust vs. Downthrust

Rethand is the force that se bounder themse in make it herse the ground Bowelines for desofters' however, a the east provide it he

According to the Lows of State Proton, force of friction is directly proportional to normal reaction. By provious a other stand modification is reduced which thus provides kessy force of fridden. The can later he de-



Bernoulli's Theorem

The Bernood Equation can be considered to be as paraphine of arrange probability appears whether throwing the de finite length are not be forced through the conductions kinest wreeps must increase of



Skin Friction

the first on caused by the surface of the begy due to partis called danfriction. I forms of early remode input an equeds of reachast former of the section between the local constants and former at a necessary to the amount of the place above with orbit cond they be south and because



Rolling Resistance

Rel no residence is a function of the weight of the conestigned intestimatorial for both the wheels as well as the ball



when the carie temperatures to properly to the finish free gravity of the car, a mement is created which would result in a other the thruid is asset from the control of cray by the less efficient





Drag Force

Trag force is the drawcoefficient crospositions area and its velocity.

For their coefficient to highly dependable on the service arrive of the can have the can people has been the force depends on how the can is shaped Tomach research we have in reduct mention force is not the -an issue discharg the performance of the con-



NEWEY

that Red Bull driver Sebastian Vettel went on to win 4 championships net structor's award or the way Besign was the National

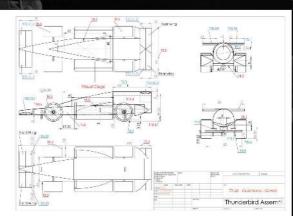






Flawless Drawings







Nikon

Component Testing

*Side-Pods

the gay. Toward manuface the rate of floor, mentale problems as



If her arvery empoyment stages has then not now the where a



el firefride-pio marries. The bottom rasian extrusion to direct air away from



*Carrister Holder After connegations of basis commences can declinion shapes, we arrayard that the the progressor will be two performed the basis. The Frederics more accompanies by waster tis more streamless during has kis also incorporated at a which reduces morners of force over the car fine by

the the discourt should not it est accommon breakle than the the reads of the horser book formore drag concentrated at the



Its lower height and at the stipmoids only us, makes this can a



*Front Nose

Conventionally (1 in behooks teams a so the analysis of thick of the exhaust to ensure that the wind flows over word in contain on however, It camba to to bleval a camba magnion because he de protection de la camba de la at each a corresponding means that the reclass commercialization. This is continuous solicina final flow Trempisher donor writte wheek we moved which creates a low rows on more behand the front wind due to skin first on between the wheels and the air. Winds thus tend to not sucked unconfile whost queto the low pressure zone

Experimenting Ideas

This is a fact interpretate of whether the limit mose has an angle of stack count have, trange over angle of stack for the wing it deered ach phangled intracking its in resher drag

For the portrain improvement of El market state, realize is stackfully necessary. We had a soon empired of halos blocks as manufacturing cars for being we not renly a concern But due to the designed by our 2 eminent design engineers, we had

namew down curselections of the best ones. Thus before many bett Since on models were designed on both Autodes killings for and Solid.



A four time world

Exercisions needs to













Virtual Car Testing

Walks we had the advantage of being able some Therman cheidalfield block whething the batter. Systematically following this printings we were oble to get a







Relentless Testing





known for his and before he drove his fachion we helicsy that we a team process throughly before on no abead within this will ensure success jud



The Lake Agricon





G-Code Generation

A machining assembly was created consisting of all the reguired carts of the car body. This was then saved as an STL file and opened in Blancer CAM, Blander CAM is an open source solution for artistic CAM - Computer aided madrining - a procedu parents on lost Blance. DAM is an extension for the free oper-source Elegger 3D parkage. This provides at interface to generate the Cernite







CAM Analysis

Since, we gave our files to a company named link by his dings for manufacturing, we initially thought we didn't require CAM soft were or CAM testing But, we soon realized that requires a whole array of commands and saggleness. On fur-ther inspections, we came to embedded that speed our protelypes was rationant facility the



but the result was that it became very thin in codemarase. which made it come to be accorded Thus, we obtained develop ment for the car. Since their we've tried to another every profittype using two software -This gave us a good pick ire of whether man, facturing was presible or case for a car and thus we sight have to waste time in sonaine cars back and forth for machining



A Sample of the Final Car's G-Code

The change!

NAM GOD REPORTS 28 SER STERRO MICH. NOC 800 X 233VX Y 68 699 NECCCIONES BELLEVIR 990001 x100 709 Y150 55 Z-01 650

NICCON X 03.2012 31792 0±068172585-Z-11836 \$660831 X (\$6.28) X-1-008

N28983 Y268789 Z-1188 MARRIED SCHOOL TOURS





Effective Construction

This ighout our journey to the Cualifyer's we have travelered the consideration giving as one of the median partial immediate companies to the partial Who declarates an area night heat looking our and the

cities the event which is why we take the manufact, and process as percusiv Many processes and sonal carbon chocks have been at manufacturate the entire process to ensure the

Machining and 3D Printing

For the machining of our car we have dediced to use a blank CND mathe to reduce culting time. If the the usual 3 axis one it had many has all conditions are a control of the latter to all the the constrained and the constrained are the constrained. continuously rather than with an index. The primary advantage in continuous mochin nei sthe pre front and rear wings, and our wheels. These were designed using C4D softwere and converted to Sterso Litrography (STL) has for the 30 printer. We sale that the printing or adultion to minimise any support



Post-Manufacture

share with the study bear in ease

the read stage in the ment actuing precess was the most crossmount in propriet the care Lagrange and find of the care we moved directly is a line 800 gir varybage so the zer was already saidsmooth cive to the Size's machining. The front mose zone and the rear corofol were then attached using a nigh strength military of clear succeselected and a technique acrylic primer surface was the main under are, that was used. Book were then appiled accordingly. The next stages consisted of the assembly of the car. The wiles between all achies

The whoel was made as light as possible to it place funited the librarings along depth of white lives something we peak condut allertion to. The bearings are corrected to the wood at of wheels that his reduce moments a provider of its sides This will lead to a more up from distribution of the





Wheel System We copie different approach to the wheels to the National Finals by



Materials Chosen



- "Prepared from variable by was a and accommon by *Kontowed white land state *Easier to be manufactured as it neclines low temperature and re-
- marrie "No heated red inter the martie "Temperature range(160 - 2000) "High strength of mesonal

"Hir effectures pezz bla Police was used as P. Alice rights therebyll SH, Act, whereas right has density of 1 EgAn making it may suitable to make lighter

Ables ledes are made of carbon Flore oue to its high strength and exbremely low weight. Having this heldgonel structure similar to that of graph to leads to very high strength

Ball Bearings Stankes stadies those as Tinas good soming to sults and was more consmissibly earlie. We had a contrated a pering sedem with the constension livered encount the stretic energy we not but this to the secretar of the wheels

sax the same

Liston which would use how recognited in the and his loss rolling sneegy whele he needed. Thus, more ranisher times! would convert to knetic energy of the car rather than the rolling motion of



Since area or velocity is constant, the KE only due to rolling almost

















Newtonian Renders





Nerrados Banzis known for its spec tacular colounna nar rembers which is one of the reasons why it receives alot o attraction to its con-

We follow a smiler decloay at Travelora tion. We believe that having apertury for spectacular attention







These Photorealistic Renders were rendered using the technologies of Cinema 4D





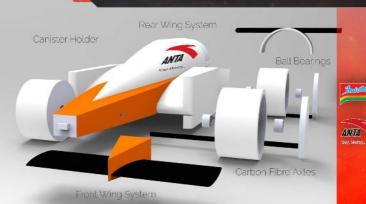








Calculated Views















Exuberant Experiences





DENFORE

tested all the skills

cuires ample expe-

name of he held which is what we

Hyronah libis

word? And what about the exitement? This competition has of Traveleration have picked up a really unique skill set in all respects.

Team Work

The core concept of this associating competition is fear work Rome wasn't made in a day and it certainly wasn't made by one man. Every core concept of FI recurres a whole team to fulfill to the fullest and we're proud to say that Trickless on has ex-He is the founder called at team work. We learn to depend on teammates and and initiator of Elia complete our tasks and also ensure the officiency of ever indi-Schools thoronsvictual. We were always there for our team mades and backet petition we know them up at every fork or turn in the road. This truly helped in such a brillart unlocking the invate parential that everyone had and stay true competition that to the serius inside of them.

Role Interactions

Even in certain segments such as design, completely nexperence members of the team were able to contribute critical and valuable ideas for development. Role overlaps are pretty common and we used that to the best of our advantage. Everyone pitched in not matter what the scenano. Though certain members may not be into a particular field the vision of the brain is encless. The boss billies that can be concred up by one member is truly infinite Now what if we used that, multiplied by 6 super genius brains? It gives birth to a skill-set of excellence, individuals work with diligence and in their own diverging paths, converge into one unimaginable team -

But if we do so when we think about adventure, where is all the crighasis if the meaning points towards such a quelificial event? Where are all those foars that we usually attach to that Elegant, Minimalistic Designs

Adventure comes from the Latin word otherwis, which means "to logicer" "to come", it is something that happens everythy, it is what comes when we open the door

eleration is a strong supporter of minimalism. as seen evidently in the design perifolio. Really harsh and bright designs may seem excit no first, but they gradually lose professionalism - something that our learn loss or Our designs are meant to inspire geople and institlin them a possion for III in Schools. Through countless number of failures and in initialy many trial runs, we have perfected our act and skills so that we pur deliver the best amount for

Citizens of the Future

This competition inspires the every single team to use 11, to . Nearing the end of the portfolio which symbolizes the end of from about physics, aerodynamics, design, manufacture, concid power and the beginning of our new non-stop adbranding, graphics, sportsorship, marketing, leadership/feam - venture, we would like to salute every single person who has work, media skills and financial strately, and apply then in a supported the team throught this magnificent corner to procisal, magnetive, competitive and exciting way. We are liber along a tough one but definitely one that we would regoing to be the future doctors, angineers, rater's leater's inc. I member for the rest of our lives. We would like to thank the and this competition, acts as a steeping stone to propel us. Film Schools promise ton and our Our Own High School A. toward a great future. Team of the ordinary and he the difference than the world warrs to ill amazing roller coaster ride. With that, transferation spins of

Corporate Professionalism

One consent is many to the modern world. The doesn't have pond commiste standards. The competition enables us to do ust that. We make busines plans and othere to budgets to ensure the maximum smoothness of our work. We learn how to meet sponsors and to Self our brand. We learn various ways by which we can convince the sponsors that we are worth their money We can truly say that Trianstruction is a brand that has excelled beyond expectations.

Afterword

with the core fact being that the experience and adventure of Flini Schools is niceed with 65. The members

strives to stand out. Warga's for providing the opportunity for sitting in this from its journey to reach the Qualifyrials and hopes to particileate in the National Rocks. Let us all thy to live by our monds and ideals so that we can emerge as better obsers of the work.







Part Speed. Part Elegance. Part Innovation. All TRAX.





TRAXELERATION BE DIFFERENT × BE SPEED