BAJABOUN

THE OFFICIAL NEWSLETTER OF FIREBOLT RACING



-PAGE 5

"BEATING THE PANDEMIC BLUES!"

PAGE 8

VOLUME 3 | ISSUE 1





CHRONOLOGY

Eleven years ago, few visionary undergrad enthusiasts decided to take up the challenge of stepping into the world of manufacturing their dream ATV that conquers every terrain. This very historic moment led to the inception of Team Firebolt which is known as Firebolt Racing. The idea which initially sounded very exciting required insurmountable amounts of patience, precision and conviction. There has been no turning back ever since and the team has progressed forward facing all that came its way, emerging victorious and proud to be living what is every engineer's dream.

The process may be exhaustive, tiresome and probably leaves the team members weary after a day's work but to see the beast right in front and to hear the rumbling engine is a feeling unmatched. This edition is a compelling narrative of the leaders who have carried the team on their shoulders and includes transcripts from some of them who work with the administration focusing on the team's initiative to build a strong foothold in the institute and staying in touch with the esteemed alumni.

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CAPTAIN'S MESSAGE

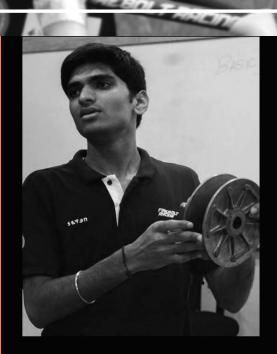
-UTKARSH RAJ

LIFE IS BETTER
AT THE RACES



In my first year of college, when everybody was busy trying to figure out their purpose and areas of interests, I found mine in Firebolt Racing. Seeing the ATV run in the college campus back then mesmerised me and made an impact so strong that in that instant, I knew that I wanted to be a part of this team. Unfortunately, in my first attempt, I wasn't able to clear the written test. But I didn't let this setback demotivate me as I worked even harder for the recruitments that followed and made it to the glorious team. The journey from being a member in the team in my first year to leading the team as its captain in my final year, has been exhilarating and I feel fortunate to have shared this journey with some of the best people I have met in my life. In the 4 years that have passed, Firebolt has become an integral part of my life and it has shaped me into the confident and versatile person I am today. Leading the team has never been easy but doing it while the ravages of a global pandemic hit hard, it was difficult. The event changed its format and transitioned into a virtual simulation-based event; new obstacles were introduced for us to overcome. Also, participating in our first ever international event was a challenge in itself. Every member of the team deserves and shares equal credits for their efforts, but the season was not perfect as we had our fair share of failures which had to be embraced and worked upon to come back stronger with an indomitable spirit. To the present team members, I only have one thing to say, you can never give enough to the team, the team will have more to give to you; so be dedicated and take the legacy of Firebolt Racing to greater heights. Good luck and stay FIREBOLTED FOREVER!"





VICE-CAPTAIN'S MESSAGE

-Y TARUN RAGHAV

WHAT'S BEHIND YOU DOES NOT MATTER

I still remember 11 September 2017 as the day of my selection at Firebolt Racing. From the first day interaction to this day, every day has been unique and filled with different challenges and adventures. My journey in the team has been no less than a rollercoaster. It transformed me from a quiet, shy, technical member to an outgoing member adept at designing the powertrain system, boldly negotiating deals, pioneering the DAQ department and becoming the Vice-Captain of this team. The BAJA Event every year teaches us to embrace challenges and this year turned into a virtual event. We quickly adapted to the online mode of meetings and focussed on our first ever 4WD design. We also get exposure to the international BAJA Event for the first time, although conducted virtually. I am eagerly waiting for the day our team will carry the Tricolour and represent our country at the international level physically. This season we realized the importance of interdepartmental co-ordination. The lessons learned over these years have been invaluable and I am sure the future batches will utilize them to enhance the team's performance. I got the opportunity to interact with the best seniors, batchmates and juniors. It was great experience connecting with the team Alumni, in spite of not meeting quite a few, they continue to spare their valuable time for the team and guide us. My message to the future batches is to keep exploring and innovating. Every challenge is an opportunity to learn and innovate. Tough situations don't last, but tough people do. The BAJA SAE 2020 Indore event taught me what leadership and camaraderie is all about. I am confident that the future batches will take the team to greater heights and continue the team's legacy. Remember to MakeRideWinRepeat and Stay Firebolted!"



VICE-CAPTAIN'S MESSAGE

-TRISHANT AGARWAL

NO GUTS, NO GLORY



For most of us, clubs in a college campus are meant for leisure and exploration of hidden talents or interests, but Firebolt Racing was not just a regular club I joined. It appealed to me in multiple ways, right from the induction video, recruitment interview and early months of my tenure as a member to the dirt-clad royal ATV that the team built, everything was a sight to behold and an archive of knowledge. Starting out as a member of the management sub-team and leading the team as the Vice-Captain and Management Head, was a journey that words cannot fathom. I have seen the highs and lows of the team and of the members and I have learnt about life more than any text book could have ever taught me. During the first review meeting, the, then Captain had asked, "Why should you be kept in the team?" and my response was, "I'll give the team its first international event". I am glad to have been able to live up to my word. We participated in our first ever international event this year and we surpassed expectations for a maiden stint. The new normal had most certainly tweaked the way competitions were arranged this year and we failed to put up a great show at BAJA SAE INDIA but I believe that failures improve the game like nothing else does. To get up after you get bogged down is perhaps easy, but to help the team get up altogether is a feat that I am proud of pulling off. Lastly, to my juniors, it's been a tough year ahead amidst the raging pandemic. All I can say is push yourself, do every work assigned and push yourself harder, and when you look back you'll see a different yourself at the end of the finish line and will be glad to have had the chance to be Firebolted Forever"





TEAM MANAGER'S MESSAGE

- GUNJIT DAVE

LIVE LIFE AT FULL THROTTLE

When I joined the college, I, like my fellow batchmates was engaged in a blind rush to join different clubs, with a hope to somehow land up in that one "perfect" club, and for me, this rush ended when I joined Firebolt. My love towards the club started right from the day I witnessed the metallic beast during one of the club's presentation, the roaring sound its engine made, while revving up, seemed to perfectly resonate with my heartbeats, while its performance stirred me up from within. I worked hard for the club, and believe me, when I retrospect today, the club seemed to work harder on me, for I had experienced so many emotions, learned so many skills, and was definitely shaped up into a better person during my journey. Later, I was given the responsibility of the managing the club, and the greater I devoted myself to the club, the better I felt and the better I grew up. This year, the pandemic did impose numerous roadblocks in our way, and managing the technical and management subdivisions became extremely difficult, thanks to the online mode of life, but I do praise all the team members for their unparalleled efforts even in these tough times. Overall, the season was decent, with mixed results, but definitely, it was a great source of experience for everyone, and I'm sure that it has pushed everyone to strive even better for the next season. Lastly, there's only one thing I would like to convey to my juniors, that there is no substitute of hard work in this particular club, so work hard, and believe me, the club will develop and shape you in ways even you can't imagine or notice as of now. Just keep up the good work and stay Firebolted Forever!"



THE NEW NORMAL

THE STRUGGLES

Along with the other repercussions of the pandemic, came the universally accepted online way of life, with education, jobs and even healthcare going online, the BAJA events too weren't an exception. The idea of an online motorsport event definitely gave us chills initially, as this was the first time that such an event was going to happen. But backing out was never an option!

COMBATING DIFFICULTIES

Adaptation is the key for growth, everyone is aware of that, and thus we had to adapt to the "new normal" as soon as possible. Working on the same, we first began by jotting down an overview of the situation, and analyzing the facts. With a careful examination of the situation, numerous practical observations and real-life examples, we finally came up with a plan.

>>>>>>



THE PLAN

Multiple roadblocks owing to the pandemic seemed like insurmountable boulders. But with strategies and new changes in our workflow we were abe to overcome all the problems that bothered us. Improvements in communication, social media outreach, processing, designing on novel softwares, e-learning and remote tasks helped us in accomplishing our target in a prompt manner.







EXECUTION

After a perfect plan, we had to think of its execution. Every member of our team was designated a task according to the subteam and best suited to the areas of expertise. Weekly meetings were held to get to the core of every difficulty and problem encountered by our members during the week.

The dedication, pereseverence and persistent efforts went on about for almost the whole year.

As a consequence of which we were able to bag top ranks!!

BAJA SAE INTERNATIONAL 2021

Exhilarating, thrilling and adrenaline pumping, that's how we describe our latest motorsport stint, and our very first on an international soil, the BAJA SAE INTERNATIONAL.

"Ordinary" was far from truth this season, excitement was high, but so were our fears, thrill was high, but so were our doubts, for we were about to tread new territories, and it literally felt magical to experience such an amalgam of contrary feelings in our bosom.

Our preparations for our new stint started right from the start of the season, coupled with ample research and past analysis, and as we began exploring each and every aspect, our fears began diminishing and our doubts were being replaced by the beats of "Believer", it seemed as if the Imagine Dragons' melody constantly resonated with our heartbeats!

Our hard work paid off and we bagged the 8th position globally in the International Sales Presentation event, acing the event amongst the Indian teams, and the 14th position globally in the Cost Event, runners up amongst the Indian teams.

As our team edged so close to the blockbuster in our very first endeavour, it was literally a major energy booster for all of us, because now we have a launchpad to shoot up even higher in the next season. This event definitely plotted us on the world map of motorsport enthusiasts apart from being an immense source of experience and motivation, and all this happened because we, the Firebolt Racing, "DARED TO TREAD".

Cheers to the new beginnings!



BAJA SAE INDIA 2021

With all the events of the Indian motorsport event kingpin BAJA SAE India going online this year, the team was definitely surrounded by clouds of anticipation and ambiguity for a brief period, since such a shift was unprecedented, but careful planning and organised work in the right direction, slowly and steadily removed the clouds of doubt. The times were tough for sure, but so was our intent and our preparation, we were ready to take all the challenges head on.

The event involved teams from over 150 best colleges and universities in India, competing against each other to reach to the pedestal of one of the most coveted motorsport events in the country.

For us, the event started on a high note with improved performances in the static events, specially the Sales Presentation Event turned out to be the game-changer for us, as we bagged the 8th position, which was a major improvement from our last few appearances in the event.

Although, our overall performance this season, was slightly below par our abilities, but the event definitely enhanced our skills and experience, to prepare us better for the upcoming instalment.

As we look back, BAJA SAE 2021 proved to be an immense source of experience and skills, which strengthens us to strive even harder for the best, and give our best towards doing what we, as a team love to do,

MAKE, RIDE, WIN, REPEAT.



ACHIEVEMENTS

BAJA SAE INTERNATIONAL 2021

IN INDIA



INTERNATIONAL



BAJA SAE INDIA 2021





GALLERY

















BUSINESS PRESENTATION EVENT



TEAM NAME- FIREBOLT RACING TEAM NUMBER- 187

College- Birla Institute of Technology, Mesra, India



MEDIA COVERAGE



फायरबोल्ट रेसिंग में बीआईटी ने विश्व स्तर पर परचम लहराया

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प्रतियोगिता सैन प्रगस्तिकों, कैतिकोर्त्तिय में होती हैं, दुनिया भर के देशों में कोविङ -19 महामारी के काढ़े नियमों के कारण अ यहां की टीम का नेतृत्व उक्तर्य राज कर रहे थे, विसमें विचांत अध्वात और वाई तरण रायद उप-कत्मान के रूप में मौजूद

टीम ने विश्व सतर पर 8वां और सेल्ड इवेंट में भारत में पहला स्थान स्थान हासित किया। इसके साथ ही, बाहा एसएई इंटरनेयनल के कॉस्ट इवेंट में वैश्वि 14वां एवं भारत में दूसरा स्थान हासित किया। उन्होंने बाहा एसएई इंडिया के सेल्ड मेलेंटेयन इवेंट में भी 8वां स्थान हासित किया।

ल्ट रेसिंग दुनिया की सर्वोच्च टीमों के बीच अपना नाम दर्ज कराने वाती एकमात्र भारतीय टीम बनी। बीआईटी मेसरा को ऑटोमोबाइत रेसिंग की ठ४ता को

Source- Dainik Bharat, 22nd May 2021

बीआइटी मेसरा की टीम विश्व स्तर की प्रतियोगिता के फाइनल में पहुंची

रांची. इंजीनियरिंग कॉलेज के विद्यार्थियों के बीच होनेवाले टेक्निकल कंपीटिशन बाहा सेड इंटरनेशनल में बीआइटी मेसरा की टीम फायरबोल्ट ने सफलता हासिल की है. टीम ने फाइनल के क्वालिफाइंग राउंड में सफलता हासिल की है, इस प्रतियोगिता में विश्वभर से 4000 से अधिक इंजीनियरिंग कॉलेज की टीम ने हिस्सा लिया था. विभिन्न राउंड की प्रतियोगिता में खुद को शाबित करते हुए फायरबोल्ट टीम ने टॉप आठ टीम में अपनी जगह बनायी. यह टीम देश से चुनी जानेवाली एकमात्र टीम है. फायरबोल्ट टीम ने प्रतियोगिता में हिस्सा लेने के लिए बग्धी एफआरएक्स-वन तैयार किया था. क्वेश्चनायर राउंड में एक्सपर्ट्स के सवालों का जवाब देते हुए एफआरएक्स-वन की विशेषता की जानकारी दी. फाइनल राउंड सोमवार से शुरू होगा. टीम का प्रतिनिधित्व उत्कर्ष राज ने किया. टेक्निकल टीम में त्रिशांत अग्रवाल, धर्मिन डी पटेल, शरण्या झा. मयंक उपाध्याय शामिल हैं.

Source- Prabhat Khabar, 22nd March 2021

बीआईटी मेसरा की फायरबोल्ट रेसिंग बाहा एसएई इंटरनेशल के टॉप-15 में

हिन्दुस्तान टीम,रांची • Published By: Newswrap Sun. 23 May 2021 03:06 AM

रांची। प्रमुख संवाददाता

बिरला प्रौद्योगिकी संस्थान (बीआईटी), मेसरा की आधिकारिक ऑफ-रोड रेसिंग क्लब फायरबोल्ट रेसिंग ने सेल्स प्रेजेंटेशन इवेंट और मैग्नम के कॉस्ट इवेंट में बाहा एसएई इंटरनेशनल के शीर्ष 15 में एकमात्र भारतीय टीम बनकर दुनिया भर के रेसिंग प्रेमियों के बीच अपना नाम दर्ज किया है। इसने बाहा एसएई इंडिया के सेल्स प्रेजेंटेशन इवेंट में भी भाग लिया। यह प्रतियोगिता, सैन फ्रांसिस्को, कैलिफोर्निया में होती है। दुनियाभर के देशों में कोविड-19 महामारी के कडे नियमों के कारण ऑनलाइन माध्यम से आयोजित की गई। बीआईटी मेसरा की टीम का नेतृत्व उत्कर्ष राज कर रहे थे, जिसमें त्रिशांत अग्रवाल और वाई तरुण राघव उप-कप्तान के रूप में मौजूद थे। टीम ने विश्व स्तर पर 8वां स्थान हासिल किया और सेल्स इवेंट में भारत में पहला स्थान प्राप्त किया। इसके साथ ही बाहा एसएई इंटरनेशनल के कॉस्ट इवेंट में वैश्विक स्तर पर 14वां व भारत में दूसरा स्थान हासिल किया। टीम ने बाहा एसएई इंडिया के सेल्स प्रेजेंटेशन इवेंट में भी 8वां स्थान हासिल किया।

फायरबोल्ट रेसिंग दुनिया की सर्वोच्च टीमों के बीच अपना नाम दर्ज करवाने वाली एकमात्र भारतीय टीम बनी और बीआईटी मेसरा को ऑटोमोबाइल रेसिंग की दक्षता को मानचित्र पर

Source- Live Hindustan, 23rd May 2021

कोविड के कारण ऑनलाइन इवेंट • विश्व की 200 से ज्यादा टीमें शामिल हुईं, रेसिंग इवेंट पर करनी थी प्लानिंग

बिजनेस प्लान सेगमेंट में बीआईटी मेसरा की फायरबोल्ट रेसिंग देश की सर्वश्रेष्ठ व दुनिया की 8वीं बेस्ट टीम बनी





Source- Dainik Bhaskar, 8th April 2021

बाहा-सेइ इंटरनेशनल में बीआइटी मेसरा की टीम को आठवां रैंक

enga (bakés a shift

इंजीनियरिंग कॉलेज के क्रियांचियों के बीच होने वाले इंडीन्सरिय करित के विद्यार्थियों के स्थेन होने साले दिनकाल करितिहर 'साम-से इंटिंग्सर्गा की स्रोजाइटी मेसत की दीए प्रायाकीए ने प्रत्यक्त स्थान की है. दीम ने स्रोजादिक के 11% सेकन के प्रवटना में अंतरकारीय किया कर में प्रवीव कार्यक्रमात सरीहर हैंग होने से माता है प्रत्यक्तीय दीम को दिवार दीन हिंदे में स्थान स्थान हमाता हुआ है. सेन को दिवार दीन हिंदे में साता स्थानस्थान स्थान सेन्द्र सेक्स्प में देखी हुए हमा में इंजियेंक्स का असेन्द्र सेक्स्प में देखी हुए हमा में इंजियेंक्स का असेन्द्र सेक्स्प में देखी हुए हमा स्थानस्थान प्रतिवेदियत में टीम को असनी बन्धी-एफआएएस पन (अर्थत देरेन प्रतिक्रत) का विजनेस प्लान देन था, विधिन प्रानोत्तरी तरेड में टीम में बेहतर प्रदर्शन करते हार सकलत हमिल की.



फाइनल में 200 टीमों ने लिया हिस्सा

षड्नात प्रतिवंशिया में देश-विदेश से 200 टीमें चूनी गयी थी. मधे मह में आर्थिशत संग्रिकशानत राउड़ में बेहतर प्रदर्शन करते हुए टीम प्रस्थरबीस्ट ने बेहठ आउटीम में जगह बनायी थी. टीम वह नेतृत्व उत्तर्श राज, जिसांस असवाल और वाई तरुण राजेंद्र कर सं थे, प्रतिभगियों का मृत्यांकन जनरत मोट सं, डेम्पतर और बाधा डेजर्ट रेस, कैलिकोनिका जैसी कंचनियों के धनिनिधारों व विज्ञाहरिया है जिसके ने किया । इसके अलाहा टीम में धर्मिन पटेल, विद्यांश गोयल, शरण्य

एफआरएक्स-वन की यह रही खासियत

- टीम ने टू-व्हील ड्राइव की जगह इसे फोर कील डाइव के रूप मे तैयार किया था
- सॉकर ट्यूनिंग फैसिलिटी के लिए एफको के सॉकर लगाये गये थे.
- बग्धी के इलेक्ट्रिकल सब्सेक्शन को मजबत कर इसे सेंसर गेज्ड सीवीटी (क्टीन्यूअस वेरियेबल

टॉसमिशन) से जोड़ा गया, जिससे इसका डेटा इकट्टा कर इसमें बदलाव किये गये.

H

• सेंसर की मदद से एकआरएक्स वन ऑकरोड या ऑनरोड का पता कर खद से बदलग्र करने और सॉकर रास्ते के अनुस्त्य अपनी कंचाई बदलने में रक्षामहै.

Source- Prabhat Khabar, 7th April 2021

FELICITATION















TEOIP

















- INSTAGRAM.COM/FIREBOLT_RACING
- YOUTUBE.COM/FIREBOLTRACING
- ## FIREBOLTRACING.COM
- IN LINKEDIN.COM/COMPANY/FIREBOLTRACING

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